TAS Incorporated

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12903 FM 3436 Dickinson, TX 77539 Office 281-339-1010 /Cell 281-850-2231

TAS Incorporated

Conduit Sealing Bushings Sizing Chart

For use with insulated wire, cable and ridged metal conduit

Max Cable/Conduit Dia

Conduit Trade Size	1 hole	2 hole	3 hole	4 hole
1 1/2"	.078 in 19.81mm	.059 in 14.99mm	.54 in 13.72mm	.44 in 11.18mm
2"	1.05 in 26.67mm	.77 in 9.56mm	.71 in 18.03mm	.61 in 15.49mm
21/2"	1.32 in 33.53mm	.96 in 24.38mm	.89 in 26.61mm	.78 in 19.81mm
3"	1.9 in 48.26mm	1.26 in 32mm	1.13 in 28.7mm	.96 in 24.38mm
31/2"	2.13 in 54.1mm	1.38 in 35.93mm	1.28 in 32.50mm	1.13 in 28.70mm
4"	2.63 in 66.8mm	1.63 in 41.4mm	1.51 in 38.35mm	1.26 in 32mm
5"	3.5 in 88.9mm	2 in 50.8mm	1.88 in 47.75	1.63 in 41.40mm
6"	4.5 in 114.3mm	2.44 in 61.98mm	2.21 in 56.13mm	2.07 in 52.58mm

External Use

ECSB

Internal Use

ICSB

Gland Use

GCSB

12903 FM 3436 Dickinson, TX 77539

281-339-1010

Materials and Parts Used

TAS Incorporated

Screw Submittal

Thread Direction	Right Hand
Thread Size	¼-20
Screw Size Decimal Equivalent	0.25
Thread Type	UNC
Thread Fit	Class 3A
Length	11/2"
Threading	Partially Threaded
Min. Thread Length	1"
Thread Spacing	Coarse
Head	
Diameter	3/8"
Height	¼"
Drive Size	3/16"
Tensile Strength	70,000 psi
Hardness	Rockwell B70
Specifications Met	ASME B18.3
Material	18-8 Stainless Steel
RoHS	RoHS 3 (2015/863/EU) Compliant
Reach	Reach (EC 1907/2006) (01/23/2024, 240 SVHC) Compliant
DFARS	Specialty Metals Compliant (252.225-7009)
Country of Origin	United States
USMCA Qualifying	No
Schedule B	731815.9000
ECCN	EAR99

Made from 18-8 stainless steel having good chemical resistance and may be mildly magnetic. Length is measured from under the head. Screws meet ASME B1.1, ASME B18.3, ISO 21269, and ISO 4762 (formerly DIN 912 comply with standards for dimensions.

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TAS Incorporated

AK Steel ASTM A1011, Grade 36 type 2 Hot Rolled Carbon Steel

Submittal

Category:	Metal; Ferrous Metal; ASTM Steel, Carbon Steel, Low Carbon Steel
Material:	Type 2 for conversion to A36
Notes:	Information provided by AK Steel
Key Words:	ASTM A568, A1011, A635, A1018, A659, A749, SAE J1392, SAE J2340

Physical Properties

	Metric	English
Density	7.87 g/cc(@20*C)	0.284 lb/in3(@68* F)

Mechanical Properties

Tensile Strength, Ultimate	>= 400 MPa	>=58000 psi
Tensile Strength, Yield	>=250 MPa	>=36300 psi
Elongation at Break	>=21%	>=21%
Modulus of Elasticity	200 GPa (@20.0*C)	29000 ksi (68.0*F)

Electrical Properties

Electrical Resistivity	0.000142 ohm-cm(@20*C)	0.000142 ohm-cm (@68*F)

Thermal Properties

CTE, linear	12.4 um/m-*C(@20-100*C)	6.89 uin/in-*F(@68-212*F)
Specific Heat Capacity	0.481 J/g-*C(@50.0-100*C)	0.115 BTU/lb-*F(@122-212*F)
Thermal Conductivity	89.0 W/m-K(@20.0*C)	618 BTU-in/hr-ft2-*F(@68*F)

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TAS Incorporated

Neoprene Rubber Industrial Grade (PR-1Cxx)

Dimensions and Appearance

Thickness	in	1/32-2
Length	ft	5-300
Width	in	2-72
Surface Finish	Smooth Finish, both side	
Color	Black	

Physical Properties

ASTM D2000		1BC410	1BC510	1BC610	
Hardness	Shore A	40+/-5	50+/-5	60+/-5	ASTM D2240
Tensile Strength, min	psi (MPa)	1000(6.9)	1000(6.9)	1000(6.9)	ASTM D412
Elongation, min	%	400	300	300	ASTM D412
Heat Resistance (100*C, 70h)					
Change in hardness, max	Shore A	+/-15	+/-15	+/-15	ASTM D573/2240
Change in tensile, max	%	+/-30	+/-30	+/-30	ASTM D573/412
Change in elongation, max	%	-50	-50	-50	ASTM D573/412
Oil immersion (903, 100*C, 70h)	vol%	</=120	</=120	</=120	ASTM D471
Compression set (100*C, 22h), max	%	80	80	80	ASTM D395B
Working Temp Range	*F	-22 to 190	-22 to 190	-22 to 190	

Tolerances

Thickness, in (mm)	Min, mm	Max, mm	Thickness, in mm	Min, mm	Max, mm	Width Tolerance, in
1/32 (0.8)	0.54	1.05	3/8 (9.5)	8.71	10.34	0/+1 for all thickness
1/16 (1.6)	1.21	1.97	1/2 (12.7)	11.51	13.89	
3/32 (2.4)	2	2.76	5/8 (15.9)	14.4	17.48	
1/8 (3.2)	2.79	3.56	3/4 (19.1)	16.69	21.41	
3/16 (4.8)	3.95	5.58	1 (25.4)	22.86	27.94	
1/4 (6.4)	5.54	7.16				

12902 FM 3436, Dickinson, TX 77539 (281) 339-1010

TAS Incorporated

Coating Submittal

Sherwin Williams Dura-Plate 6100 Epoxy

(Other coatings available upon request)

12902 FM 3436, Dickinson, TX

(281) 339-1010

Dura-Plate® 6100 Epoxy

High Performance Epoxy

Dura-Plate® 6100 Epoxy is a high build, high performance, 100% solids epoxy designed for corrosion protection of concrete and steel in municipal and industrial wastewater environments, especially where a high build and high physical value coating is required. Dura-Plate 6100 delivers overall cost savings with improved lifecycles, faster project completion and enhancement to structural properties of the existing asset.

Features

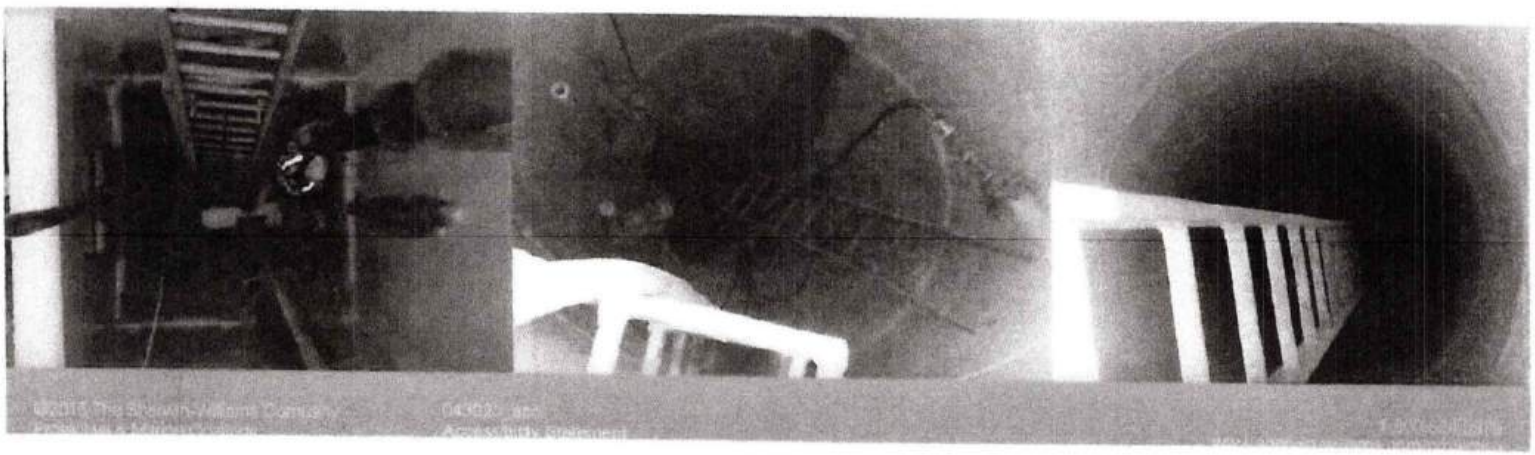
- High film build
- One coat application
- High physical strengths
- 100% solids/low VOC
- Fast return to service

Benefits

- Provides improved lifecycle due to increased wear course thickness
- Faster project completion and overall savings
- Extends the useful service life of the asset through structural property enhancement
- Application versatility to complete the project no matter the restrictions
- Reduces out of service time for critical assets

Recommended Uses

- Manholes
- Wet wells
- Lift stations
- Influent channels
- Digesters
- Steel pipe
- Concrete pipe
- Wastewater structures



Product Characteristics

Finish:	Matte
Color:	Off White
Volume Solids:	100%
VOC (measured):	<10 g/L (EPA Method 24)
Weight Solids:	100%, calculated mixed
Mix Ratio:	2:1, mix by volume

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	**12.0** (300)	**125.0** (3125)
Dry mils (microns)	**12.0** (300)	**125.0** (3125)
~Coverage sq ft/gal (m^2/L)	**12.8** (0.3)	**133.6** (12.4)

Drying schedule @ 120.0 mils wet (3000 microns):

	@ 77°F/25°C 50% RH
To touch:	30 minutes
To handle:	2 hours
To recoat:	
Minimum:	15 minutes
Maximum:	8 hours
Cure to service:	12 hours

If maximum recoat time is exceeded, scarify surface before recoating. Drying time is temperature, humidity, and film thickness dependent.

Pot Life:	20 min/1 qt mass @ 77°F /25°C

Performance Characteristics

Substrate:	Steel
Surface Preparation*:	SSPC-SP10

System Tested*:

1 ct. Dura-Plate 6100 @ 80.0 mils (2000 microns) to 100.0 mils (2500 microns) dft
**unless otherwise noted below*

Resistance Guide Immersion

Contact your local Sherwin-Williams Protective & Marine Sales Rep to verify suitability at elevated temperatures.

Acetic Acid 5%	Recommended
Ammonium Hydroxide 5%	Recommended
Diesel Fuel	Recommended
Ferric Chloride 1%	Recommended
Fresh and non potable water	Recommended
Gasoline	Recommended
Hypochlorous Acid 10%	Recommended
Kerosene	Recommended
Nitric Acid 10%	Recommended
Sodium Carbonate	Recommended
Sodium Chloride 10%	Recommended
Sodium Hydroxide 25%	Recommended
Sodium Hypochlorite 1%*	Recommended
Sulfuric Acid 20%	Recommended

**1% sodium hypochlorite solution was prepared from fresh standard household bleach where sodium hypochlorite solution concentration was assumed to be 5.25%*

Test Name	Test Method	Results
Abrasion	ASTM D4060	<90 mg loss
Adhesion (Concrete)	ASTM D7324	Substrate Failure
Adhesion (Steel)	ASTM D4541	>3,000 psi
Compressive Strength	ASTM D695	15,000 psi
Elongation Percent	ASTM D638	4.8%
Flexural Modulus	ASTM D790	590,000 psi
Flexural Strength	ASTM D790	11,000 psi
Hardness, Shore D	ASTM 2240	83
Impact Resistance	ASTM D2794	30 in. lbs.
Modulus of Elasticity	ASTM D638	247,000 psi
Tensile Strength	ASTM D638	5,600 psi
Water Absorption	ASTM D570	0.15%
Water Vapor Transmission	ASTM D1653	3.0/gms/m^2 (24 hrs)

Epoxy coatings may darken or discolor following application and curing and may chalk when composed to sunlight.

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Protective & Marine Coatings 3/15
SW13375

SAFETY DATA SHEET

B62W475

Section 1. Identification

Product name : DURA-PLATE® 6100 (Part A)
White

Product code : B62W475

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Product Information Telephone Number : US / Canada: (800) 524-5979
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 2
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Suspected of causing cancer.
Causes damage to organs through prolonged or repeated exposure. (lungs)

Precautionary statements

Section 2. Hazards identification

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response : IF exposed or concerned: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements

WARNING: This product contains chemicals known to the State of California to cause cancer. FOR INDUSTRIAL USE ONLY. This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

CAS number/other identifiers

Ingredient name	% by weight	CAS number
Epoxy Polymer	≥25 - ≤50	25068-38-6
Talc	≥25 - ≤50	14807-96-6
Titanium Dioxide	≤3	13463-67-7
Amorphous Precipitated Silica	≤3	112926-00-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 4. First aid measures

Skin contact : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes skin irritation. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Section 5. Fire-fighting measures

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
halogenated compounds
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Section 7. Handling and storage

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Epoxy Polymer	25068-38-6	None.
Talc	14807-96-6	**NIOSH REL (United States, 10/2020).** TWA: 2 mg/m³ 10 hours. Form: Respirable fraction **ACGIH TLV (United States, 1/2024).** TWA: 2 mg/m³ 8 hours. Form: Respirable fraction
Titanium Dioxide	13463-67-7	**OSHA PEL (United States, 5/2018).** TWA: 15 mg/m³ 8 hours. Form: Total dust **ACGIH TLV (United States, 1/2024).** TWA: 2.5 mg/m³ 8 hours. Form: respirable fraction, finescale particles
Amorphous Precipitated Silica	112926-00-8	**NIOSH REL (United States, 10/2020). [SILICA, AMORPHOUS]** TWA: 6 mg/m³ 10 hours.

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
talc (none asbestiform)	14807-96-6	**CA British Columbia Provincial (Canada, 8/2023). Notes: the value is for particulate matter containing no asbestos and less than 1% crystalline silica.** TWA: 2 mg/m³ 8 hours. Form: Respirable **CA Alberta Provincial (Canada, 3/2023).** OEL: 2 mg/m³ 8 hours. Form: Respirable particulate **CA Ontario Provincial (Canada, 6/2019).** TWA: 2 mg/m³ 8 hours. Form: Respirable particulate matter. TWA: 2 f/cc 8 hours. **CA Quebec Provincial (Canada, 2/2024).** TWAEV: 2 mg/m³ 8 hours. Form: respirable aerosol fraction **CA Saskatchewan Provincial (Canada, 4/2021).** TWA: 2 mg/m³ 8 hours. Form: respirable fraction

Section 8. Exposure controls/personal protection

Occupational exposure limits (Mexico)

	CAS #	Exposure limits
None.		

Biological exposure indices (United States)

No exposure indices known.

Biological exposure indices (Canada)

No exposure indices known.

Biological exposure indices (Mexico)

No exposure indices known.

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.

Color : Various

Odor : Not available.

Odor threshold : Not available.

pH : Not applicable.

Melting point/freezing point : Not available.

Boiling point, initial boiling point, and boiling range : 150°C (302°F)

Flash point : Not available.

Evaporation rate : Not available.

Flammability : Not available.

Lower and upper explosion limit/flammability limit : Not available.

Vapor pressure : Not available.

Relative vapor density : Not available.

Relative density : 1.36

Solubility(ies) :

Media	Result
cold water	Not soluble

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : 300°C (572°F)

Decomposition temperature : Not available.

Viscosity : Kinematic (40°C (104°F)): >20.5 mm^2/s (>20.5 cSt)

Molecular weight : Not applicable.

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Epoxy Polymer	Eyes - Mild irritant	Rabbit	-	100 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 uL	-
	Skin - Severe irritant	Rabbit	-	24 hours 2 mg	-
Talc	Skin - Mild irritant	Human	-	72 hours 300 ug l	-
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug l	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Talc	-	3	-
Titanium Dioxide	-	2B	-
Amorphous Precipitated Silica	-	3	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Talc	Category 1	inhalation	lungs

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Section 11. Toxicological information

Skin contact : Causes skin irritation. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:
irritation
redness

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : Causes damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - *Fundulus heteroclitus*	96 hours

Persistence and degradability

Not available.

Section 12. Ecological information

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Epoxy Polymer	-	31	Low

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	UN3082	UN3082
UN proper shipping name	-	-	-	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Polymer)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Polymer). Marine pollutant (Epoxy Polymer)
Transport hazard class(es)	-	-	-	9 	9 
Packing group	-	-	-	III	III
Environmental hazards	No.	No.	No.	Yes.	Yes.

Section 14. Transport information

Additional information	-	-	-	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. **Emergency schedules** F-A, S-F

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet, where applicable.

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer.

International regulations

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

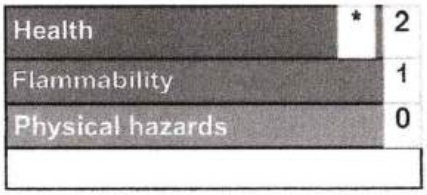
International lists : **Australia inventory (AIIC)**: Not determined.
China inventory (IECSC): Not determined.
Japan inventory (CSCL): Not determined.
Japan inventory (ISHL): Not determined.
Korea inventory (KECI): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan Chemical Substances Inventory (TCSI): Not determined.
Thailand inventory: Not determined.

Section 15. Regulatory information

Turkey inventory: Not determined.
Vietnam inventory: Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
SKIN CORROSION/IRRITATION - Category 2	Calculation method
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1	Calculation method

History

Date of printing : 10/2/2024

Date of issue/Date of revision : 10/2/2024

Date of previous issue : 5/21/2024

Version : 14

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements

Section 16. Other information

are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

SAFETY DATA SHEET

Section 1. Product and Company Identification

1.1 Product Identifier

Product name	:	FC COGAN GREY
Product code	:	HA-2083-G
Other means of identification	:	Not available.
Product type	:	Powder.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product Use	:	Industrial applications.
Use of the substance / mixture	:	Coating. Paints. Painting-related materials.
Uses advised against	:	Not applicable.

1.3 Details of the supplier of the safety data sheet

Canadian Supplier	:	Prism Powder Coatings Ltd. 321 Edgeley Blvd. Concord, Ontario, Canada L4K 3Y2
U.S. Supplier	:	Prism Powder Coatings Ltd. 2890 Carquest Drive Brunswick, Ohio, U.S.A. 44212

1.4 Emergency telephone number

Emergency telephone number	:	(330) 225-5626 (U.S.) (905) 660-5361 (Canada)
Technical phone number	:	1-800-774-7611

Section 2. Hazards Identification

2.1 Hazard Classification

OSHA/HCS Status	:	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	:	SKIN SENSITIZATION - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A COMBUSTIBLE DUST

2.2 Label elements

Hazard Pictograms :

Signal Word : Warning

Hazard Statements : May form combustible dust concentrations in air. May cause an allergic skin reaction. Causes serious eye irritation.

Precautionary Statements

Prevention : Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response : IF ON SKIN: wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SKIN irritation or rash occurs: Get medical advice/attention. IF eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Storage : Not applicable.

Disposal : Dispose of contents/container in accordance with all local, regional, national and international regulations.

Supplemental Label Elements : Keep container tightly closed. Keep away from heat, sparks, open flames and hot elements surfaces. No smoking. Prevent dust accumulation. Emits toxic fumes when heated.

2.3 Other hazards

Hazards not otherwise classified : Fine dust clouds may form explosive mixtures with air. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

Section 3. Composition / Information on Ingredients

3.1 Substance

Substance/mixture : Mixture

Product name : FC COGAN GREY

3.2 Ingredients

Ingredient Name	%	CAS Number
Poly(Bisphenol A-co-epichlorohydrin) glycidyl end-capped	7% to 10%	25036-25-3

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First Aid Measures

NOTE: If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately and have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

4.1 Description of necessary first aid measures

Eye contact : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

Inhalation : Move into fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

Ingestion : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

4.2.1 Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.

Skin contact : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

4.2.2 Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
Pain or Irritation
Watering
Redness

Inhalation : Adverse symptoms may include the following:
Respiratory tract irritation
Coughing

Skin contact : Adverse symptoms may include the following:
Irritation
Redness

Ingestion : No specific data.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11).

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use dry chemical powder.

Unsuitable extinguishing media : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical : Fine dust clouds may form explosive mixtures with air.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

5.3 Advice for firefighters

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods for containment and cleaning up

Small spill : Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Do not dry sweep. Apply "Dust Bane" to the spill in order to minimize airborne particles. With dust pan/broom, sweep

up the spill, disposing it in a plastic bag lined disposal container (ie: cardboard box). or Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill : Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Apply "Dust Bane" to the spill in order to minimize airborne particles . Carefully consolidate spilled powder using rubber floor squeegee or shovel so as to minimize airborne particles. Transfer the bulk of the spill to a plastic bag lined garbage disposal container (ie: cardboard box). Treat remaining residue as Minor Powder Spill or Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

7.1 Conditions for safe storage

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready to use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.2 Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Avoid breathing dust. Do not ingest. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and

protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 8. Exposure controls / personal protection

8.1 Control parameters

Occupational exposure limits

Poly(Bisphenol A-co-epichlorohydrin) glycidyl end-capped(25036-25-3)
No Data Available No Data Available

Key to abbreviations

NIOSH = National Institute for Occupational Safety and Health	R = Respirable
ACGIH = American Conference of Governmental Industrial Hygienists.	STEL = Short term Exposure limit values
OSHA = Occupational Safety and Health Administration.	TD = Total dust
F = Fume	TLV = Threshold Limit Value
C = Ceiling Limit	TWA = Time Weighted Average
REL = Recommended Exposure Limit	PEL = Permissible Exposure Limit

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

8.2 Appropriate engineering controls

Appropriate engineering controls : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

8.3 Environmental exposure controls

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

8.4 Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially

contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Chemical splash goggles.

Respiratory protection : At all times, wear NIOSH approved (ie: N95) dust mask Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Skin Protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Gloves : Butyl rubber

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Solid.

Color : Not available.

Odor : Not available.

Odor threshold : Not available.

pH : Not available.

Melting point : Not available.

Boiling point : Not available.

Flash point : Closed cup: Not applicable.

Material supports combustion : Yes.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Flammability (solid, gas) : Not available.

Lower and upper explosive (flammable) limits	:	Not available.
Evaporation rate	:	0 (butyl acetate = 1)
Vapor pressure	:	0 kPa (0 mm Hg) [room temperature]
Vapor density	:	Not available.
Specific Gravity	:	1.638544
Solubility	:	Insoluble in the following materials: cold water.
Partition coefficient: n-octanol / water	:	Not available.
Viscosity	:	Kinematic (40°C (104°F)): Not applicable.
Volatility	:	0% (v/v), 0% (w/w)
% Solid. (w/w)	:	100

Section 10. Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur

10.4 Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.

10.5 Incompatible materials

Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

10.6 Hazardous decomposition products

Decomposition products may include the following materials: carbon monoxide, carbon dioxide

Section 11. Toxicological information

11.1 Information on the likely routes of exposure

11.1.1 Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.

Skin contact : May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

11.1.2 Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
Pain or Irritation
Watering
Redness

Inhalation : Adverse symptoms may include the following:
Respiratory tract irritation
Coughing

Skin contact : Adverse symptoms may include the following:
Irritation
Redness

Ingestion : No specific data.

11.2 Delayed and immediate effects and also chronic effects from short and long term exposure

Conclusion/Summary : There are no data available on the mixture itself. Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

11.2.1 Short term exposure

Potential immediate effects : There are no data available on the mixture itself.

Potential delayed effects : There are no data available on the mixture itself.

11.2.2 Long term exposure

Potential immediate effects : There are no data available on the mixture itself.

Potential delayed effects : There are no data available on the mixture itself.

11.2.3 Potential chronic health effects

General : Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

11.3 Information on toxicological effects

11.3.1 Acute Toxicity

Poly(Bisphenol A-co-epichlorohydrin) glycidyl end-capped(25036-25-3)

RAT	LD50	ORAL	>2000 mg/kg
No Data Available	LC50	INHALATION	No Data Available
RABBIT	LD50	DERMAL	>2000 mg/kg

Conclusion/Summary : There are no data available on the mixture itself.

11.3.2 Irritation/Corrosion

Conclusion/Summary

Skin : There are no data available on the mixture itself.

Eyes : There are no data available on the mixture itself.

Respiratory : There are no data available on the mixture itself.

11.3.3 Sensitization

Conclusion/Summary

Skin : There are no data available on the mixture itself.

Respiratory : There are no data available on the mixture itself.

11.3.4 Mutagenicity

Conclusion/Summary : There are no data available on the mixture itself.

11.3.5 Carcinogenicity

Conclusion/Summary : There are no data available on the mixture itself.

11.3.6 Reproductive toxicity

Conclusion/Summary : There are no data available on the mixture itself.

11.3.7 Teratogenicity

Conclusion/Summary : There are no data available on the mixture itself.

11.3.8 Aspiration hazard

Conclusion/Summary : There are no data available on the mixture itself.

11.4 Specific target organ toxicity

11.4.1 Specific target organ toxicity (single exposure)

Not available.

11.4.2 Specific target organ toxicity (repeated exposure)

Not available.

11.4.3 Target organs

Contains material which may cause damage to the following organs: lungs, upper respiratory tract, eyes.

Section 12. Ecological information

12.1 Toxicity

The Environmental impact of this product has not been fully investigated.

12.2 Persistence and degradability

No Information Available

12.3 Bioaccumulative potential

No Information Available

12.4 Mobility in soil

Soil / water partition coefficient (K_{OC}) : No Information Available

Section 13. Disposal considerations

13.1 Disposal

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to *Section 6: Accidental release measures*, *Section 7: Handling and storage*, and *Section 8: Exposure controls / personal protection*, for additional handling information and protection of employees.

Section 14. Transport information

14.1 UN Number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Transport in bulk

Not applicable.

14.7 Special precautions for user

Not applicable.

Section 15. Regulatory information

15.1 Canadian Federal Regulations

WHMIS Statement	:	This safety data sheet has been prepared in accordance with the Canadian Hazardous Products Regulations (HPR) and contains all of the information required by the HPR.
Canadian Environmental Protection Act (CEPA)	:	Not available.
Domestic Substances List (DSL)	:	All components are listed or exempted.

15.2 U.S. Federal & State Regulations

OSHA Statement	:	This safety data sheet has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the supplier notification requirements of SARA Title III Section 313.
CERCLA	:	Not available.
Toxic Substances Control Act (TSCA)	:	All components are listed or exempted.

Chemicals listed below, if any, are required to be identified under **SARA Section 313 (40 CFR 372.65)** and/or **California Proposition 65**.

Section 16. Other Information

Hazardous Material Information System (HMIS)

Health	:	HMISH
Flammability	:	HMISF
Reactivity	:	HMISR
Physical hazards	:	HMISP

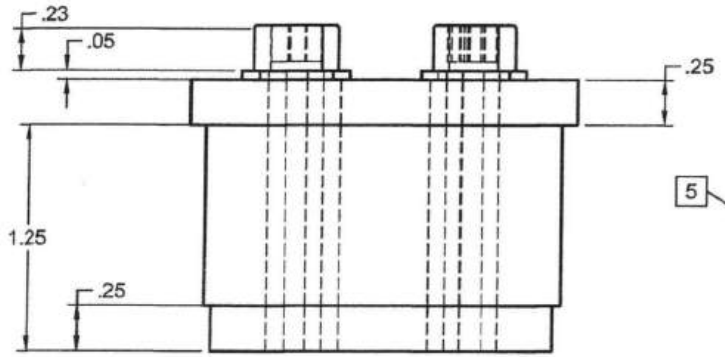
HMIS Rating System: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe, * = Chronic Effects

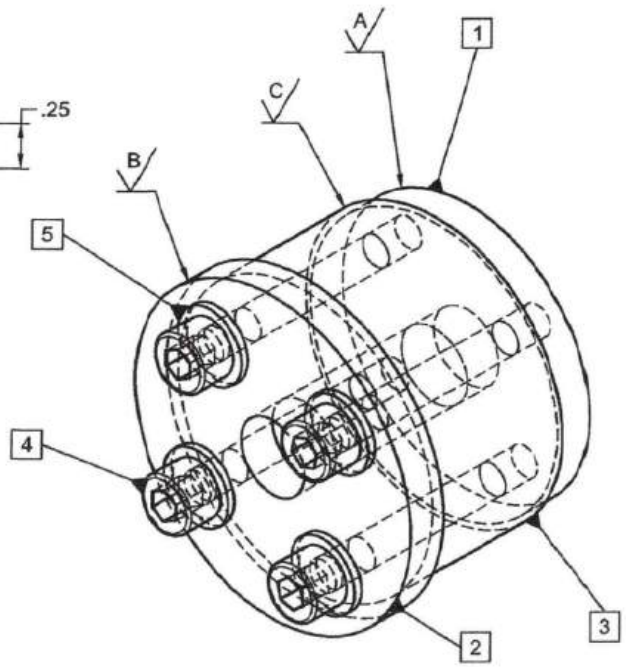
Caution: HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS ratings are not required on MSDSs the preparer may choose to provide them. HMIS ratings are to be used with a fully implemented HMIS program. HMIS is a registered mark of the National Paint & Coatings Association.

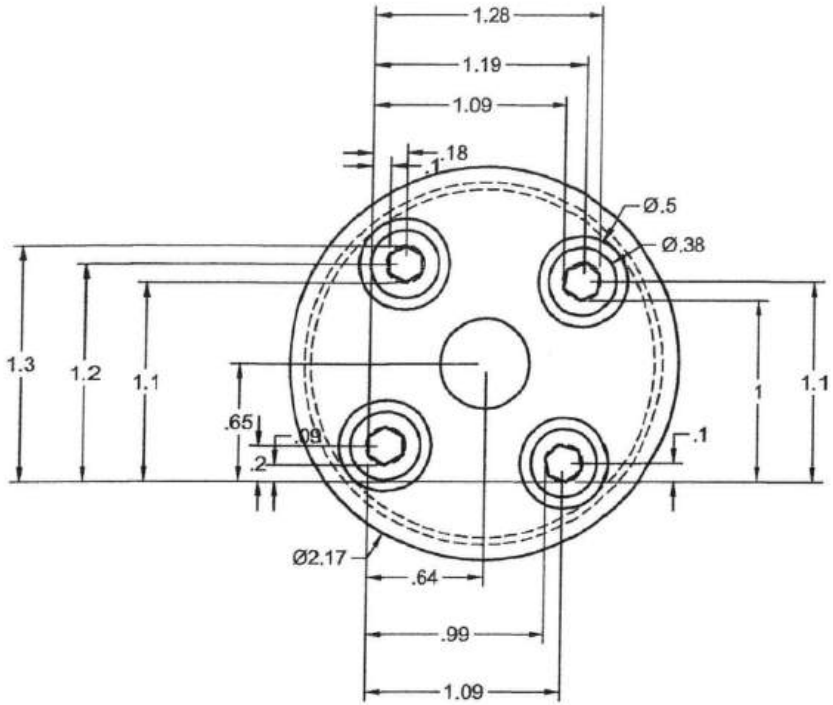
Prepared by Prism Powder Coatings Ltd.: May 14, 2024

Disclaimer: *The information contained in this safety data sheet is based on present scientific and technical knowledge and is accurate to the best of our knowledge. It is the responsibility of the user to determine the suitability of the product for its intended use and to comply with all federal, state and local regulations applicable to the safe handling and use of the product. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

Drawings







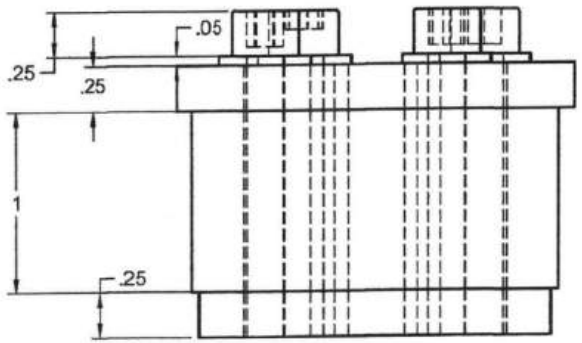
PARTS LIST			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1		BOTTOM .25" MOUNTING PLATE	1
2		TOP .25" MOUNTING PLATE	1
3		NEOPRENE RUBBER BUSHING	1
4		18-8 STAINLESS STEEL .25"X1.5" LONG SCREW	1
5		STAINLESS STEEL WASHER	1

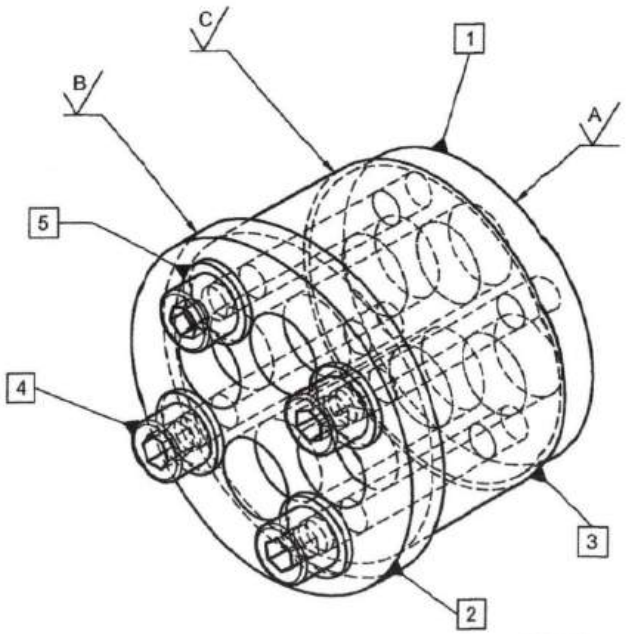
NOTES
1. TOP PLATE MATERIAL IS ASTM A1011 GRADE 36 TYPE 2 HOT ROLLED CARBON STEEL
2. SCLAE IS NOT 1:1
3. THE BUSHING IS NEOPRENE RUBBER
4. CONTACT SUPPLIER FOR BOLT TORQUE SPECS
5. TOP AND BOTTOM PLATE IS COATED WITH DURA-PLATE 6100 EPOXY

PROJECT
FULL ASSEMBLY

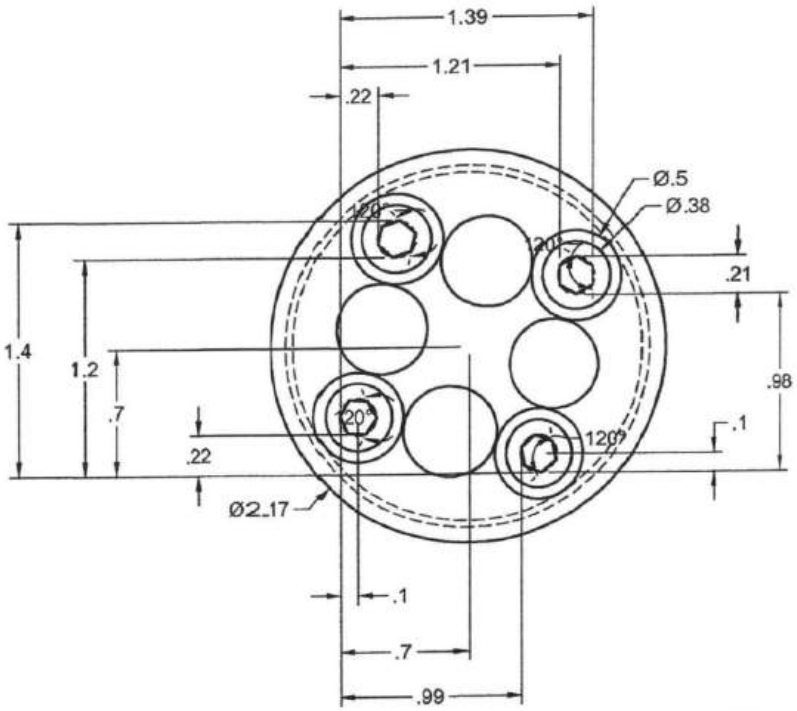
TITLE
2"-1WIRE CONDUIT SEALING BUSHING

APPROVED	SIZE	CODE	DWG NO	REV
CHECKED	B			0
DRAWN StarStruckFab 4/16/2025	SCALE SEE NOTES	WEIGHT		SHEET 1/1



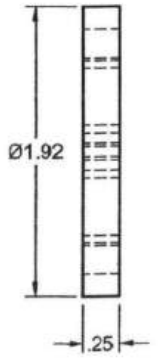


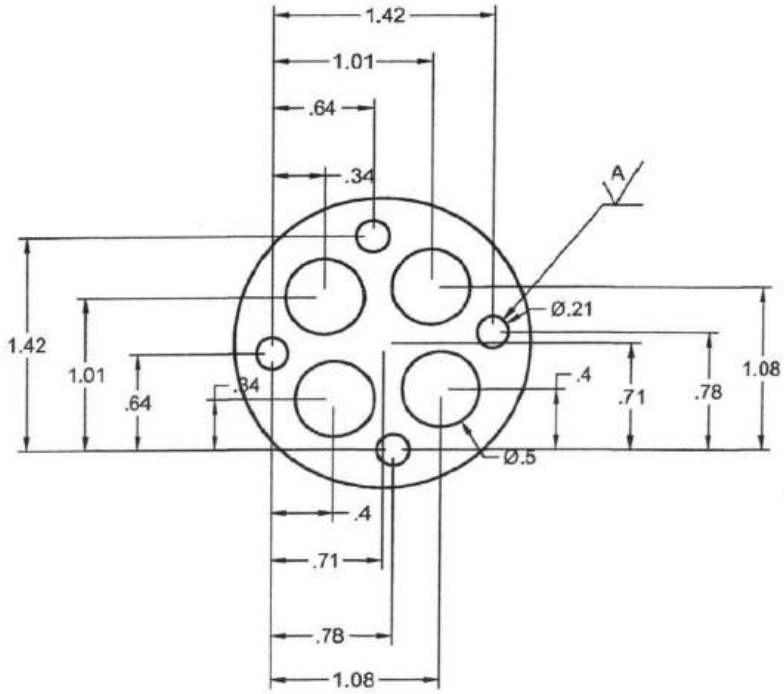
PARTS LIST			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1		BOTTOM .25" MOUNTING PLATE	1
2		TOP .25" MOUNTING PLATE	1
3		NEOPRENE RUBBER BUSHING	1
4		18-8 STAINLESS STEEL .25"X1.5" LONG SCREW	1
5		STAINLESS STEEL WASHER	1



NOTES
1. TOP PLATE MATERIAL IS ASTM A1011 GRADE 36 TYPE 2 HOT ROLLED CARBON STEEL
2. SCLAE IS NOT 1:1
3. THE BUSHING IS NEOPRENE RUBBER
4. CONTACT SUPPLIER FOR BOLT TORQUE SPECS
5. TOP AND BOTTOM PLATE IS COATED WITH DURA-PLATE 6100 EPOXY

Materials: SEE NOTES	PROJECT: FULL ASSEMBLY			
	TITLE: 2"-4WIRE CONDUIT SEALING BUSHING			
APPROVED	SIZE: B	CODE	DWG NO	REV: 0
CHECKED				
DRAWN StarStruckFab 4/16/2025	SCALE SEE NOTES	WEIGHT	SHEET 1/1	

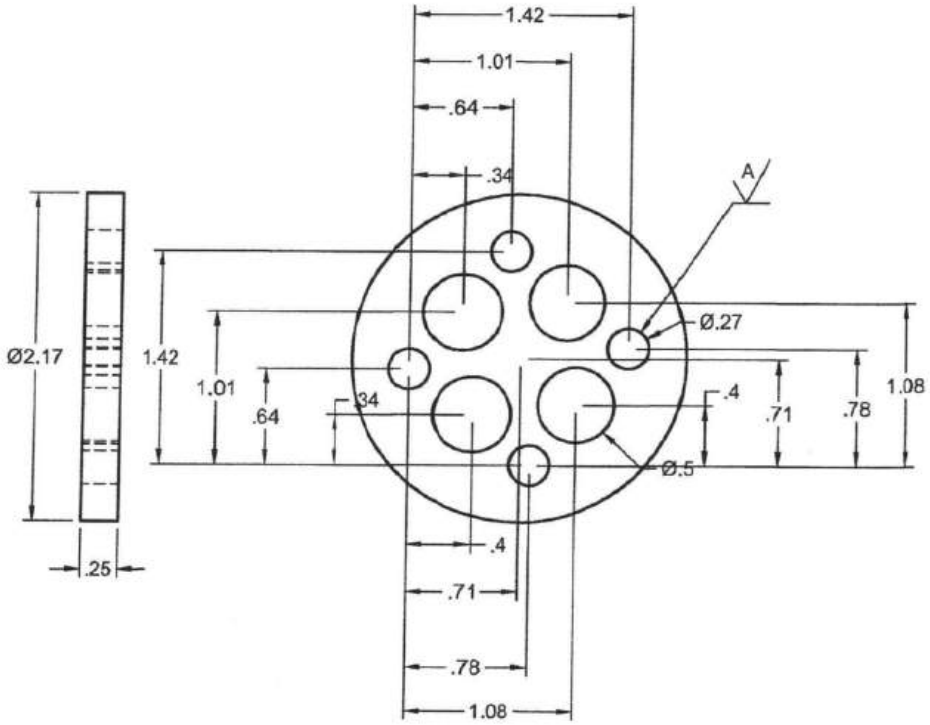




NOTES

1. TOP PLATE MATERIAL IS ASTM A1011 GRADE 36
2. REMOVE ALL BURBS AND BREAK ALL DEMINSIONS ARE IN INCHES
3. UNLESS OTHERWISE SPECIFIED ALL DEMINSIONS ARE IN INCHES
4. SCLAE IS NOT 1:1
5. A [BOLT HOLES SHOULD BE THREADED TO .25"-20 THREAD PITCH]
6. TOLERANCES HAVE BEEN ACCOUNTED FOR TO GIVE REQUIRED FITS

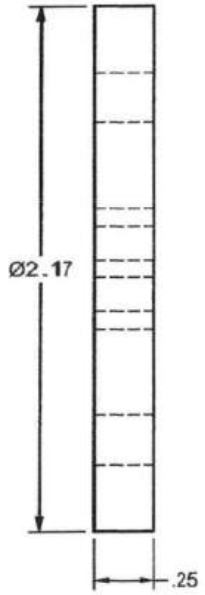
Materials: SEE NOTES	PROJECT: BOTTOM PLATE			
	TITLE: 2"-4WIRE CONDUIT SEALING BUSHING			
APPROVED	SIZE: B	CODE	DWG NO	REV: 0
CHECKED				
DRAWN StarStruckFab 4/16/2025	SCALE SEE NOTES	WEIGHT	SHEET 1/1	

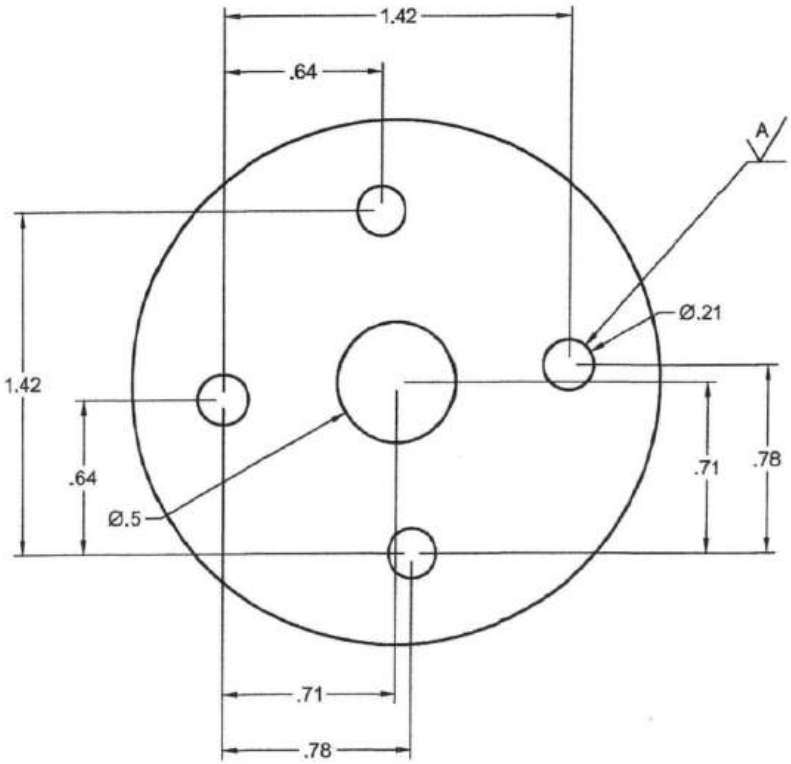


NOTES

1. TOP PLATE MATERIAL IS ASTM A1011 GRADE 36
2. REMOVE ALL BURBS AND BREAK ALL DEMINSIONS ARE IN INCHES
3. UNLESS OTHERWISE SPECIFIED ALL DEMINSIONS ARE IN INCHES
4. SCLAE IS NOT 1:1
5. A [BOLT HOLES AREN'T THREADED AND SHOULD ALLOW FOR CLEARANCE OF .25" SCREEW
6. TOLERANCES HAVE BEEN ACCOUNTED FOR TO GIVE REQUIRED FITS

Materials: SEE NOTES	PROJECT: TOP PLATE			
	TITLE: 2"-4WIRE CONDUIT SEALING BUSHING			
APPROVED	SIZE: B	CODE	DWG NO	REV: 0
CHECKED				
DRAWN StarStruckFab 4/16/2025	SCALE SEE NOTES	WEIGHT	SHEET 1/1	





NOTES

1. TOP PLATE MATERIAL IS ASTM A1011 GRADE 36
2. REMOVE ALL BURBS AND BREAK ALL DEMINSIONS ARE IN INCHES
3. UNLESS OTHERWISE SPECIFIED ALL DEMINSIONS ARE IN INCHES
4. SCLAE IS NOT 1:1
5. A [BOLT HOLES AREN'T THREADED AND SHOULD ALLOW FOR CLEARANCE OF .25" SCREEW
6. TOLERANCES HAVE BEEN ACCOUNTED FOR TO GIVE REQUIRED FITS

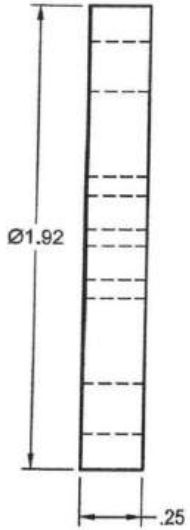
PROJECT

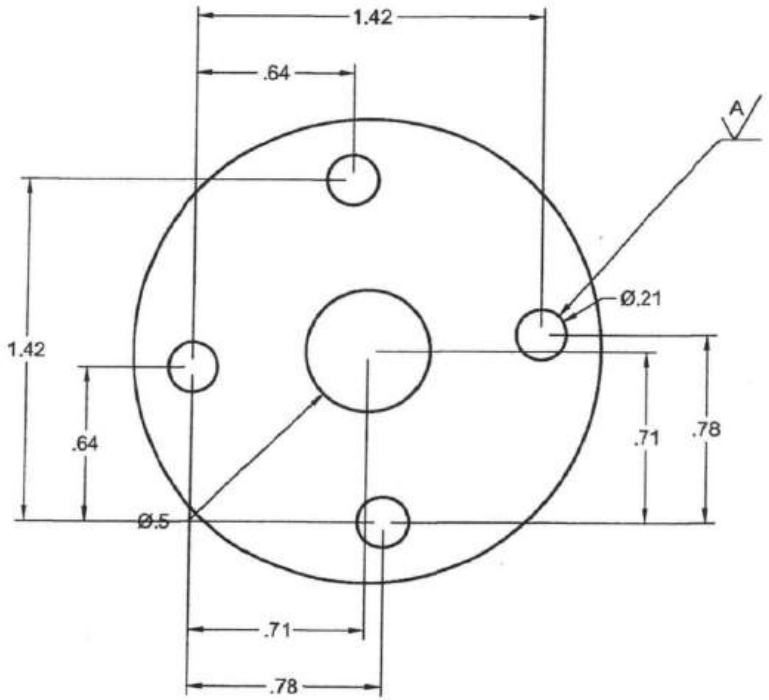
TOP PLATE

TITLE

2"-1WIRE CONDUIT SEALING BUSHING

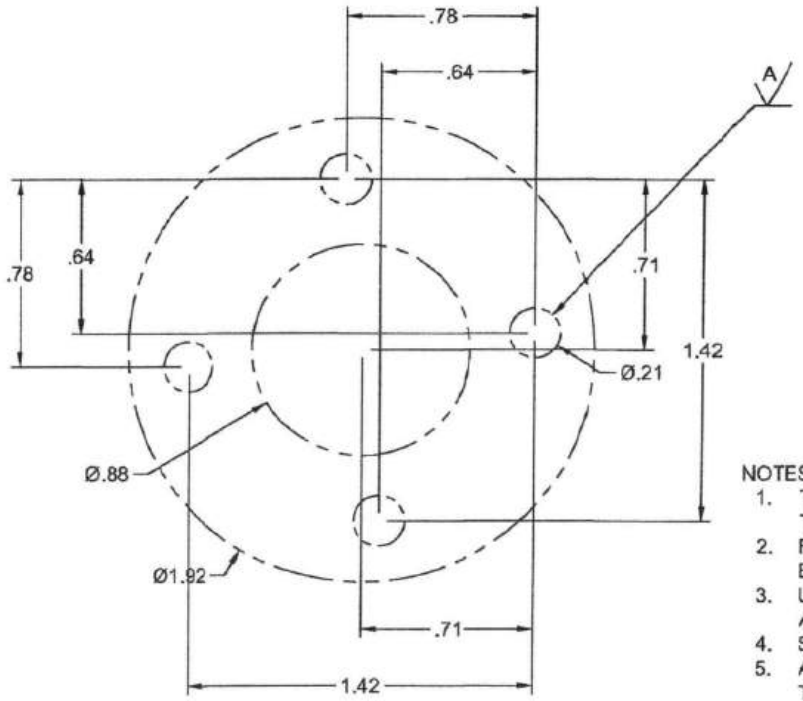
APPROVED	SIZE	CODE	DWG NO	REV
CHECKED	B			0
DRAWN StarStruckFab 4/16/2025	SCALE SEE NOTES	WEIGHT		SHEET 1/1





NOTES
1. TOP PLATE MATERIAL IS ASTM A1011 GRADE 36
2. REMOVE ALL BURBS AND BREAK ALL DEMINSIONS ARE IN INCHES
3. UNLESS OTHERWISE SPECIFIED ALL DEMINSIONS ARE IN INCHES
4. SCLAE IS NOT 1:1
5. A [BOLT HOLES SHOULD BE THREADED TO .25"-20 THREAD PITCH
6. TOLERANCES HAVE BEEN ACCOUNTED FOR TO GIVE REQUIRED FITS

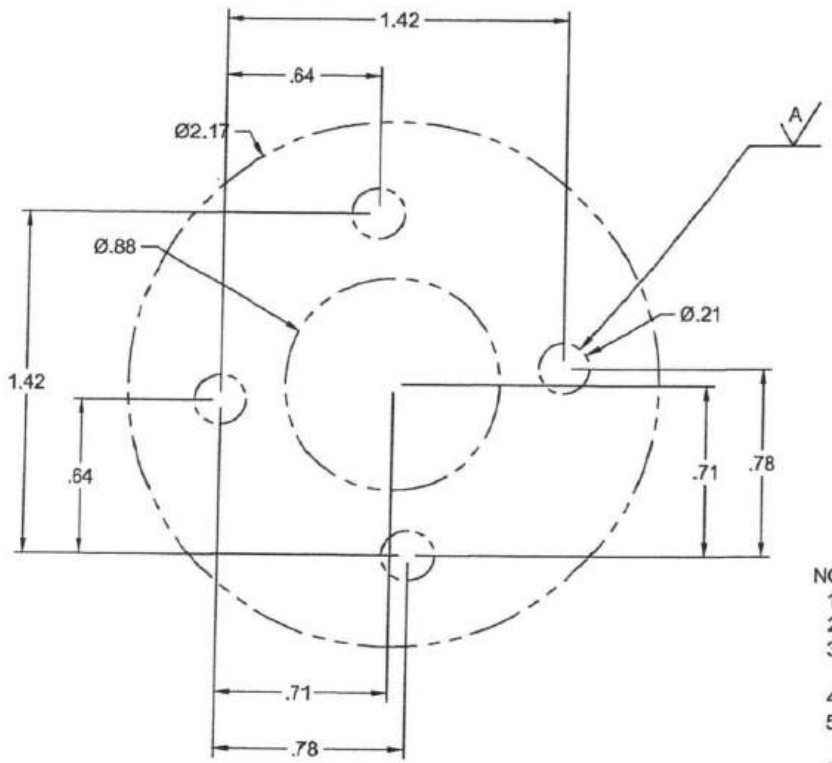
Materials: SEE NOTES	PROJECT: BOTTOM PLATE			
	TITLE: 2"-1WIRE CONDUIT SEALING BUSHING			
APPROVED	SIZE: B	CODE	DWG NO	REV: 0
CHECKED				
DRAWN StarStruckFab 4/16/2025	SCALE SEE NOTES	WEIGHT	SHEET 1/1	



NOTES:

1. TOP PLATE MATERIAL IS ASTM A1011 GRADE 36 TYPE 2 HOT ROLLED CARBON STEEL
2. REMOVE ALL BURRS AND BREAK ALL SHARP EDGES
3. UNLESS OTHERWISE SPECIFIED ALL DEMINSIONS ARE IN INCHES
4. SCALE IS NOT 1:1
5. A [BOLT HOLES SHOULD BE THREADED TO .25"-20 THREAD PITCH]
6. TOLERANCES HAVE BEEN ACCOUNTED FOR TO GIVE REQUIRED FITS

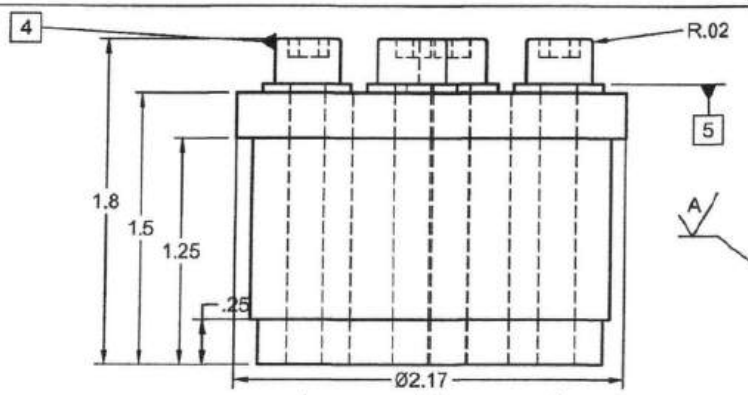
Materials: SEE NOTES.	PROJECT: BOTTOM PLATE			
	TITLE: 2"-1WIRE CONDUIT SEALING BUSHING			
APPROVED	SIZE: B	CODE	DWG NO	REV: 0
CHECKED				
DRAWN StarStruckFab 4/10/2025	SCALE SEE NOTES	WEIGHT		SHEET 1/1

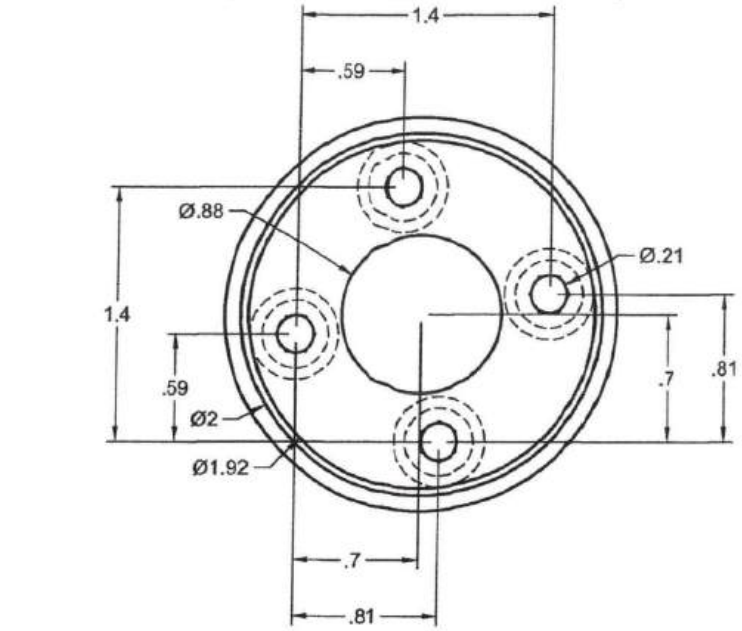


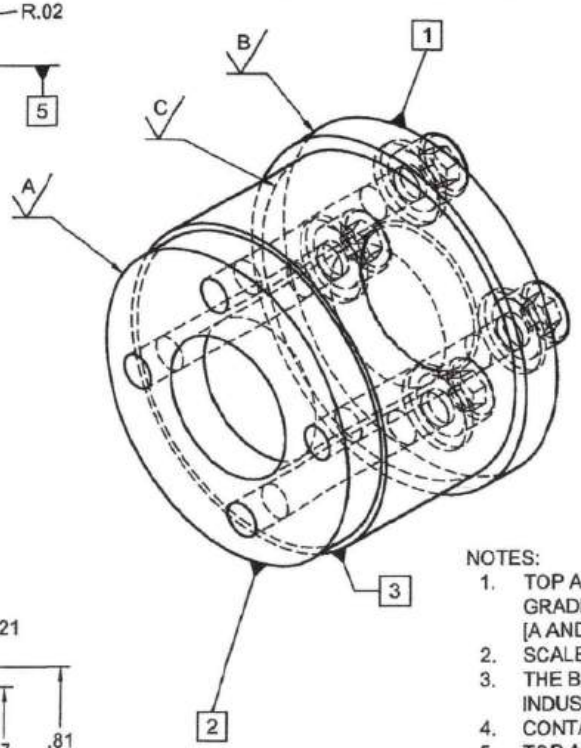
NOTES:

1. TOP PLATE MATERIAL IS ASTM A1011 GRADE 36
2. REMOVE ALL BURRS AND BREAK ALL SHARP EDGES
3. UNLESS OTHERWISE SPECIFIED ALL DEMINSIONS ARE IN INCHES
4. SCALE IS NOT 1:1
5. A [BOLT HOLES AREN'T THREADED AND SHOULD ALLOW FOR CLEARANCE OF .25" SCREW
6. TOLERANCES HAVE BEEN ACCOUNTED FOR TO GIVE REQUIRED FITS

Materials: SEE NOTES	PROJECT: TOP PLATE			
	TITLE: 2"-1WIRE CONDUIT SEALING BUSHING			
APPROVED	SIZE: B	CODE	DWG NO	REV: 0
CHECKED				
DRAWN StarStruckFab 4/10/2025	SCALE: SEE NOTES	WEIGHT		SHEET 1/1







PARTS LIST			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1		TOP .25" MOUNTING PLATE	1
2		BOTTOM .25 MOUNTING PLATE	1
3		NEOPRENE RUBBER BUSHING	1
4		18-8 STAINLESS STEEL .25"X1.5"LONG SCREW	1
5		STAINLESS STEEL WASHER	1

NOTES:
1. TOP AND BOTTOM PLATE ARE ASTM A1011 GRADE 36 TYPE 2 HOT ROLLED CARBON STEEL [A AND B]
2. SCALE IS NOT 1:1
3. THE BUSHING IS NEOPRENE RUBBER INDUSTRIAL GRADE PR-1 CXX[C]
4. CONTACT SUPPLIER FOR BOLT TORQUE SPECS
5. TOP AND BOTTOM PLATE IS COATED WITH DURA-PLATE 6100 EPOXY

Materials: SEE NOTES.	PROJECT: FULL ASSEMBLY			
	TITLE: 2"-1WIRE CONDUIT SEALING BUSHING			
APPROVED	SIZE: B	CODE	DWG NO	REV: 0
CHECKED				
DRAWN StarStruckFab 4/10/2025	SCALE SEE NOTES	WEIGHT	SHEET 1/1	