



SENTRY

Drain Covers & Catch Basins

We Value Your Business!

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TERPCO INC.

99 16th St. S.W.
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44203

1- 800-333-9728

Fax: 330-773-0522

www.terpco.com



Our primary goal is to provide value added products and services to all of our customers through cost reductions and new technologies.

We are committed to developing long term partnerships with clients Worldwide.

Our focus is to further gain and hold the respect and loyalty of our customers by anticipating both their application & quality needs.

TERPCO INC.

SENTRY Drain Covers

COLOR OPTIONS



YELLOW = Y



ORANGE = O



PURPLE = P



RED = R

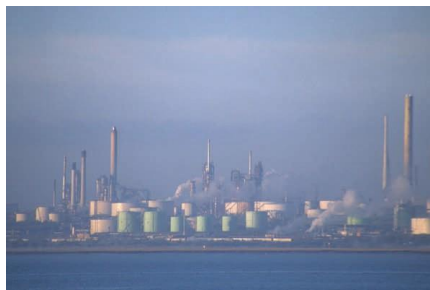


BLUE = BL



BLACK = BK

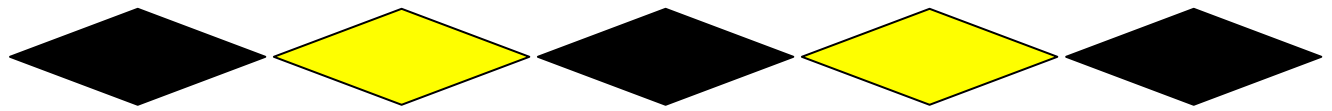
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SENTRY Drain Cover



- Isolation of Sewer Systems During Hot Work; Excellent Vapor Seal
- RF Welded Seams; Manufactured with FR Foam & FR & UV Resistant Fabric; No Leak Paths
- Water Filled; Eliminates Need to Use Sandbags, Fire Blankets, Tarps and Baby Pools
- Cost Effective; Drain Cover Can Be Stored & Re-Used Several Times
- Easily Stored on Racks at Individual Process Units
- Will Color Code & Label to Meet Your Requirements



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SENTRY Sewer Drain Covers

Gallons per Unit

Part #	Size	Approx No. Gallons
DC224	2'x2' with 4" high wall	10 gallons
DC334	3'x3' with 4" high wall	22 gallons
DC444	4'x4' with 4" high wall	40 gallons
DC554	5'x5' with 4" high wall	63 gallons
DC664	6'x6' with 4" high wall	90 gallons

Weighted SENTRY Flat



- Storm Water & Sewer Drain Cover; Excellent for Trench Drains
- Weighted Flat Mat; RF Welded Seams; FR & UV Resistant Fabric; No Leak Paths
- Carrying Straps And Grommets For Ease Of Transport
- Easily Stored on Racks at Individual Process Units
- Will Color Code & Label to Meet Your Requirements



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SENTRY Hub Drain Plug



- UV Resistant Fabric
- Cost Effective; Drain Plug Can Be Stored & Re-Used Several Times
- Heavy Duty Construction; Manufactured with FR Foam & Fabric



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SENTRY Catch Basin



- Light Weight Temporary Spill Containment Unit
- Excellent for Containing Leaks Under Air Compressors
- RF Welded Seams; UV and Chemical Resistant Fabric; No Leak Paths
- Uses Include Haz Mat/D-Con; Step Off Pads; Catch Basin When Pulling Exchangers & Flanges; Memory Foam Walls Great For Low Level Piping
- Carrying Straps And Grommets For Ease Of Transport
- Easily Stored on Racks at Individual Process Units



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SENTRY Catch Basin / Spill Containment

Gallons per Unit

Part #	Size	Approx No. Gallons
CB226	2'x2' with 6" high wall	15 gallons
CB336	3'x3' with 6" high wall	34 gallons
CB446	4'x4' with 6" high wall	60 gallons
CB466	4'x6' with 6" high wall	91 gallons
CB556	5'x5' with 6" high wall	94 gallons
CB666	6'x6' with 6" high wall	136 gallons

Chemical/Environmental Resistance

XR-5® Fluid Resistance Guidelines

The data below is the result of laboratory tests and is intended to serve only as a guide. No performance warranty is intended or implied. The degree of chemical attack on any material is governed by the conditions under which it is exposed. Exposure time, temperature, and size of the area of exposure usually varies considerably in application, therefore, this table is given and accepted at the user's risk. Confirmation of the validity and suitability in specific cases should be obtained.

When considering XR-5 for specific applications, it is suggested that a sample be tested in actual service before specification. Where impractical, tests should be devised which simulate actual service conditions as closely as possible.

EXPOSURE	RATING	EXPOSURE	RATING
AFFF	A	JP-4 Jet Fuel	A
Acetic Acid (5%)	B	JP-5 Jet Fuel	A
Acetic Acid (50%)	C	JP-8 Jet Fuel	A
Ammonium Phosphate	T	Kerosene	A
Ammonium Sulfate	T	Magnesium Chloride	T
Antifreeze (ethylene glycol)	A	Magnesium Hydroxide	T
Animal Oil	A	Methanol	A
Aqua Regia	X	Methyl Alcohol	A
ASTM Fuel A (100% Iso-octane)	A	Methyl Ethyl Ketone	X
ASTM Oil #2 (Flash pt. 240° C)	A	Mineral Spirits	A
ASTM Oil #3	A	Naphtha	A
Benzene	X	Nitric Acid (5%)	B
Calcium Chloride Solutions	T	Nitric Acid (50%)	C
Calcium Hydroxide	T	Perchloroethylene	C
20% Chlorine Solution	A	Phenol	X
Clorox	A	Phenol Formaldehyde	B
Conc. Ammonium Hydroxide	A	Phosphoric Acid (50%)	A
Corn Oil	A	Phosphoric Acid (100%)	C
Crude Oil	A	Phthalate Plasticizer	C
Diesel Fuel	A	Potassium Chloride	T
Ethanol	A	Potassium Sulphate	T
Ethyl Acetate	C	Raw Linseed Oil	A
Ethyl Alcohol	A	SAE-30 Oil	A
Fertilizer Solution	A	Salt Water (25%)	B
#2 Fuel Oil	A	Sea Water	A
#6 Fuel Oil	A	Sodium Acetate Solutions	T
Furfural	X	Sodium Bisulfite Solution	T
Gasoline	B	Sodium Hydroxide (60%)	A
Glycerin	A	Sodium Phosphate	T
Hydraulic Fluid- Petroleum Based	A	Sulphuric Acid (50%)	A
Hydraulic Fluid- Phosphate Ester Based	C	50% Tanic Acid	A
Hydrocarbon Type II (40% Aromatic)	C	Toluene	C
Hydrochloric Acid (50%)	A	Transformer Oil	A
Hydrofluoric Acid (5%)	A	Turpentine	A
Hydrofluoric Acid (50%)	A	Urea Formaldehyde	A
Hydrofluosilicic Acid (30%)	A	UAN	A
Isopropyl Alcohol	T	Vegetable Oil	A
Ivory Soap	A	Water (200°F)	A
Jet A	A	Xylene	X
		Zinc Chloride	T

Ratings are based on visual and physical examination of samples after removal from the test chemical after the samples of Black XR-5 were immersed for 28 days at room temperature. Results represent ability of material to retain its performance properties when in contact with the indicated chemical.

Rating Key:

- A – Fluid has little or no effect
- B – Fluid has minor to moderate effect
- C – Fluid has severe effect
- T – No data- likely to be acceptable
- X – No data- not likely to be acceptable



PROVEN TO STAND THE TEST OF TIME

Specifications



MATERIAL SAFETY DATA SHEET

SECTION 1.		PRODUCT & COMPANY INFORMATION	
Trade Name:	XR-5 [®] , XR TM 3, XR-5 [®] B		
Chemical Name, Synonyms:	PVC/EVA COATED FABRIC	EMERGENCY PHONE NUMBERS:	
Manufacturer:	SEAMAN CORPORATION	DAY: 330-262-1111	
	1000 Venture Blvd.	NIGHT (CHEMTREC): 800-424-9300	
	Wooster, OH 44691 USA	INFORMATION: 330-262-1111	

SECTION 2. INGREDIENTS	
COMPONENT	TLV (Units)
POLYESTER FABRIC OR NYLON FABRIC	N.A.
PROPRIETARY COMPOUND CONTAINING EIP, PVC, STABILIZERS, PIGMENTS, UV ABSORBERS, LUBRICANTS, PROCESS OILS	N.A.
(TRADE SECRET PER CFR 1910.1200[1])	

SECTION 3. PHYSICAL DATA

Boiling Point:	>350° F	Specific Gravity:	1.2-1.3
Vapor Pressure:	N.A.	% Volatile (Vol.):	N.A.
Vapor Density:	N.A.	Color and Odor:	Black; Vinegar Odor
Solubility in Water:	Insoluble	Physical State:	Solid Sheet

SECTION 4. FIRE AND EXPLOSION HAZARD DATA

Flash Point: >250° F	Flammable Limits: N.A.
EXTINGUISHING MEDIA:	Water fog, foam or dry chemical; CO2 may not have enough cooling to prevent re-ignition.
FIRE PROTECTIVE EQUIPMENT:	Positive pressure self-contained breathing apparatus and full protective clothing to fight fires.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None Known



SECTION 5. REACTIVITY DATA

STABILITY - CONDITIONS TO AVOID:	Combustible if exposed to flame
INCOMPATIBILITY - MATERIALS TO AVOID:	None
HAZARDOUS DECOMPOSITION PRODUCTS:	CO, CO2, HCl, Trace Aromatics
HAZARDOUS POLYMERIZATION:	CO, CO2, HCl, Acetic Acid, Trace Aromatics

SECTION 6. HEALTH HAZARD DATA

ACUTE TOXICITY

Oral Ingestion:	Not normally a route of exposure
Eye Contact:	Eye irritation is possible due to processing vapors when film is heated sufficiently to cause mass melting of the polymer, such as during heat welding
Skin Contact:	Skin irritation is possible due to processing vapors when film is heated sufficiently to cause mass melting of the polymer, such as during heat welding
Inhalation:	Respiratory irritation is possible due to processing vapors when film is heated sufficiently to cause mass melting of the polymer, such as during heat welding
First Aid Procedures:	Wash thoroughly with soap and water. Remove to fresh air if respiratory irritation occurs. If irritation persists, call a physician.
Chronic Toxicity:	No chronic effects due to exposure are known.

SECTION 7. SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Of Spill:	Dispose in approved landfill
Disposal Method:	Bury or incinerate in accordance with Federal, State and Local Codes.
	Not defined as hazardous by current provisions of RCRA

SECTION 8. SPECIAL PROTECTION INFORMATION

Ventilation:	Local exhaust, especially if irritation occurs
Respiration Protection:	Not normally necessary
Protective Clothing:	Wear gloves when handling hot material
Eye Protection:	Not normally necessary Other
Protective Equipment:	Not normally necessary

9. SPECIAL PRECAUTIONS OR OTHER COMMENTS

Precautions To Be Taken In Handling and Storage:	In operations such as heat welding or thermoforming involving heat sufficient to cause melting of the polymer, irritating fumes may be evolved. Adequate ventilation should be provided.
Other Precautions:	Avoid inhalation of processing fumes

**THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH
BUT NO WARRANTY, EXPRESS OR IMPLIED IS MADE**

High Performance XR-5® 8138 Reinforced Geomembrane

XR-5® 8138 Reinforced	Test Method	Standard	Metric
Base Fabric Type Base Fabric Weight (nominal)	ASTM D3776	Polyester 6.5 oz/yd ²	Polyester 220 g/m ²
Thickness	ASTM D751	40.0 mils nominal	1.0 mm nominal
Weight	ASTM D751	38.0 ± 2 oz/yd ²	1288 ± 70 g/m ²
Tear Strength	ASTM D4533 Trapezoid Tear	35/35 lbf min	155/155 N min
Breaking Yield Strength	ASTM D751 Grab Tensile	550/550 lbf min	2447/2447 N min
Low Temperature	ASTM D2136 4 hr - 1/8" mandrel	Pass @ -30° F	Pass @ -35° C
Dimensional Stability	ASTM D1204 212° F - 1 hr	1.5% max each direction	1.5% max each direction
Adhesion Heat Sealed Seam	ASTM D751 Dielectric Weld	35 lbf/2 in min	15 daN/5 cm min
Dead Load Seam Shear Strength	ASTM D751 (modified), Para. 4.5.2.19	2 in seam, 4 hr, 1 in strip 210 lbf @ 70° F 105 lbf @ 160° F	5 cm seam, 4 hr, 2.5 cm strip 934 N @ 21° C 467 N @ 70° C
Bursting Strength	ASTM D751 Ball Tip	650 lbf min 800 lbf typical	2892 N minimum 3560 N typical

GEOMEMBRANE SPECIFICATIONS

High Performance XR-5[®] 8138 Reinforced Geomembrane

XR-5 [®] 8138 Reinforced	Test Method	Standard	Metric
Hydrostatic Resistance	ASTM D751 Method A	800 psi min	5.51 MPa min
Blocking Resistance	ASTM D751 180° F/82° C	#2 Rating max	
Adhesion - Ply	ASTM D413	15 lbf/in min or Film Tearing Bond	13 daN/5 cm min or Film Tearing Bond
Bonded Seam Strength	ASTM D751 Seam Strength as modified by NSF 54	550 lbf min	2447 N min
Abrasion Resistance	ASTM D3389 H-18 Wheel 1000 g Load	2000 cycles (min) before fabric exposure 50 mg/100 cycles max weight loss	
Weathering Resistance	ASTM G23 (Carbon-Are)	8000 hrs (min) No appreciable changes or stiffening or cracking of coating	
Water Absorption	ASTM D471 Section 12 7 Days	0.025 kg/m ² max @ 70° F/21° C 0.14 kg/m ² max @ 212° F/100° C	
Wicking	Shelter-Rite [®] Procedure	1/8 in max	0.3 cm max
Puncture Resistance	ASTM D4833	250 lbf min	1112 N min
Coefficient Of Thermal Expansion/Contraction	ASTM D696	8 x 10 ⁻⁶ in/in/°F max	1.4 x 10 ⁻⁵ cm/cm/°C max

Seaming: Thermal welding methods are recommended. No glues or solvents are suggested.

We believe this information is the best currently available on the subject. We offer it as a suggestion in any appropriate experimentation you may care to undertake. It is subject to revision as additional knowledge and experience are gained. We make no guarantee of the results and assume no obligation or liability whatsoever in connection with this information. In case of conflict between standard and metric specifications, standard shall apply.