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PRODUCT DATA SHEET

GEOFILM

PART NO. 33200, 33202

JUNE 2005

READ BEFORE USING THIS PRODUCT

GENERAL GeoFilm is a peel-and-stick waterproofing membrane designed specifically as a moisture barrier for below ground applications. GeoFilm is composed of a specially designed polymer modified asphalt waterproofing membrane adhesive laminated to a .004" (0.10mm) minimum thickness heavy duty cross laminated high density polyethylene backing film. GeoFilm is supplied in several widths and is wound on rolls with a removable disposable release liner covering the adhesive. The adhesive layer strongly adheres to most surfaces and both the polyethylene film and the membrane adhesive provide a highly effective waterproofing barrier. To use, GeoFilm is simply removed from the box and unrolled onto prepared surfaces while removing the release liner. GeoFilm is particularly suited for waterproofing box culverts, concrete pipe joints, median and paved shoulder inlets, foundations, retaining walls, manholes, catch basins, headwalls, abatement backwalls and many other horizontal, vertical or curved applications.

SPECIFICATION CONFORMANCE GeoFilm meets the following specification requirements.

| <u>Property*</u> | <u>Test Method</u> | <u>Requirement</u> |
|---|----------------------|--------------------------|
| Thickness | ASTM D1777 | 0.060" (1.52mm) min. |
| Pliability (1/4" (6.35 mm) mandrel, 180° bend, 2 seconds) | ASTM D146 (modified) | Pass at -25°F (-31.7°C) |
| Permeance | ASTM E96, Method B | 0.10 US perms max. |
| Tensile Strength (membrane) | ASTM D412 Die C | 250 psi (1.7 MPA) min. |
| Elongation (membrane) | ASTM D412 Die C | 300% min. |
| Tensile Strength (film) | ASTM D412 Die C | 4000 psi (27.6 MPA) min. |
| Water Absorption | ASTM D570 | 0.2% weight max. |
| Puncture Resistance | ASTM E154 | 40 lb (179 N) min. |
| Fungi Exposure | GSA-PBS-07115 | Pass, 16 weeks |

*Note: Sampling in accordance with ASTM D146

APPLICATION PROCEDURE Prior to use, the user must read and follow application instructions for GeoFilm to verify proper product selection, surface preparation procedures, installation methods, usage precautions and safety procedures. These instructions are provided with each pallet of GeoFilm.

PACKAGING GeoFilm is produced in roll widths of 12" and 36" (.305, and .914m). Each roll is packaged in a box and the boxes are palletized on 40" x 48" (1.02m x 1.22m) pallets. GeoFilm is available in the following widths and lengths.

| Part Number | Roll Width in/m | Roll Length ft/m | Area per Roll ft ² /m ² | Rolls per pallet | Area per Pallet ft ² /m ² | Weight/Pallet lb/kg |
|-------------|--------------------|---------------------|--|------------------|--|------------------------|
| 33200 | 12 / .305 | 100 / 30.5 | 100 / 9.30 | 36 | 3600 / 335 | 1200 / 544 |
| 33202 | 36 / .914 | 50 / 15.2 | 150 / 13.95 | 25 | 3750 / 347 | 1250 / 567 |

STORAGE GeoFilm is to be stored indoors at temperatures not exceeding 120°F (49°C) and kept dry.

WARRANTY CRAFCO, Inc. warrants that CRAFCO products meet applicable ASTM, AASHTO, Federal or State specifications at time of shipment. Techniques used for the preparation and installation are beyond our control as are the use and application of the products; therefore, Crafcoco shall not be responsible for improperly applied or misused products. Remedies against Crafcoco, Inc., as agreed to by Crafcoco, are limited to replacing nonconforming product or refund (full or partial) of purchase price from Crafcoco, Inc. All claims for breach of this warranty must be made within three (3) months of the date of use or twelve (12) months from the date of delivery by Crafcoco, Inc. whichever is earlier. There shall be no other warranties expressed or implied. **For optimum performance, follow Crafcoco recommendations for product installation.**