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HYDRALASTIC™ 836

Cold-Applied, Single-Component Waterproofing

DESCRIPTION

HYDRALASTIC 836 is a cold-applied, solvent-free, single-component waterproofing compound. It does not shrink, has a low volatile organic compound (VOC) content, and has a very low odor. It will not crack in extreme cold or slump due to softening at high temperatures.

USES

HYDRALASTIC 836 is suitable for use on interior or exterior concrete surfaces, where protection from water intrusion is desired. The product can be used for both above-grade and below-grade applications. HYDRALASTIC 836 is excellent for horizontal and vertical applications, such as waterproofing plaza decks, planter boxes, and sealing parapets. The product is ideal for positive-side waterproofing for foundations and also in between-slab (split slab) applications. HYDRALASTIC 836 can also be used in vertical applications.

FEATURES/BENEFITS

- Bonds to both concrete and asphalt.
- Skins over in 30 minutes at 75° F (23° C); no dust pick up.
- Easy application; no mixing required.
- Can be applied to green concrete.
- Will not slump.
- Will not harm EPS or Styrofoam materials.
- Does not freeze; will not be damaged due to freezing weather conditions.
- Cures to a tough, flexible membrane.

PACKAGING

5 Gal. (18.93 L) Pails.

COVERAGE

Approximate coverage per gallon (3.78 L):

26 ft. ² (2.4 m ²)	60 mils (dry)
17.5 ft. ² (1.6 m ²)	90 mils (dry)
13 ft. ² (1.2 m ²)	120 mils (dry)

SHELF LIFE

When stored indoors and in original, unopened containers at temperatures between 40° - 70° F (4° - 21° C), shelf life is six months from date of manufacture.

SPECIFICATIONS

- ASTM C 836
- Complies with all current federal, state, and local maximum allowable VOC requirements, including National EPA VOC Emission Standard for Architectural Coatings, CARB, LADCO, OTC Phase I and II, and SCAQMD.

TECHNICAL DATA

PROPERTY	TYPICAL TEST VALUE	TEST METHOD
Solids Content By Weight, %:	98	ASTM C1250
Tensile Strength, psi:	100	ASTM D412
Elongation at Break, %:	425	ASTM D412
Permeability, perm in.:	0.1	ASTM E96 BW
Shore 00 Hardness:	57	ASTM D2240
Service Temperature, ° F (° C):	-40° - 200° (-40° -70°)	
Minimum Application Temperature, ° F (° C):	Above 30 (-1) and rising	
VOC Content, g/L:	36	ASTM D2369

APPLICATION

New Concrete Design Finish ... For best results, all new concrete surfaces should be designed with a light trowel finish and provide a flat, uniform surface. The surface should then be treated with a light broom finish. Wet curing is preferable. Any membrane curing compounds must be mechanically removed. Address any projections and fill in any voids or indentations to provide a smooth, level surface.

Surface Preparation ... HYDRALASTIC 836 is intended for concrete, asphalt, metal, and wood surfaces. For existing concrete remedial work or new concrete lacking profile, lightly roughen or rough grind substrate. Remove all unsound substrate and provide a relatively flat, profiled, roughened surface. Substrate must be structurally sound, dust-free, and free of frost, grease, oil, dirt, curing compounds, release agents, or any other surface or penetrated contaminants that will adversely affect bond. Use denatured alcohol to remove all grime, oil, loose paint, frost, and other contamination, from all working surfaces. **DO NOT USE** petroleum solvents such as mineral spirits or xylene.

Repair any concrete deterioration, defects or voids and fill bug holes, minor surface defects or tie holes with MEADOW-PATCH® 5 or MEADOW-PATCH 20 from W. R. MEADOWS. Irregularities in concrete that could cause a protrusion should be ground to a smooth surface. Penetrations should be grouted and structurally sound. All penetration areas must have sufficient room for adequate waterproofing to be applied.

CONTINUED ON REVERSE SIDE ...

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Do not use asphalt-based primers on concrete or metal surfaces. Do not condition any concrete or metal surfaces with primers designed for asphalt. Asphalt-type primers will act as a bond breaker and soften the cured material. Residual asphalt or old, non-live coal tar pitch-coated surfaces that may remain after surface preparation may be suitable for waterproofing with HYDRALASTIC 836. In this case, a sample test application should be conducted to determine appropriateness.

Priming ... For porous substrates where air and/or moisture release may cause pinhole or blister problems to occur in the applied membrane, priming the substrate prior to application of HYDRALASTIC 836 is recommended. Contact a W. R. MEADOWS representative for priming recommendations. Priming is recommended to remove trapped air/vapor from the substrate and promote a better bond with the substrate.

Application Method ... Gentle mixing using a slow-speed drill and paddle may be necessary if product has settled. Do not over mix. Make sure product is conditioned at 75° F (2° C) by storing product overnight or at least 12 hours prior to use for ease of application. Apply by trowel, squeegee, or roller. A flat-blade squeegee is suggested for best results. Notched rubber squeegees waste material and do not provide a uniform coat. Flat-blade squeegees provide a uniform mil thickness. HYDRALASTIC 836 can also be applied horizontally with a squeegee or roller and vertically with a roller. Test periodically to make sure adequate adhesion is achieved. HYDRALASTIC 836 has a work life of one hour at 75° F (23° C). Make sure all spreading and finishing of the product has been completed within this timeframe.

A single-coat application (60 mils) can be used for typical waterproofing applications such as foundation walls and planters. In critical waterproofing applications such as plaza decks, podiums, or other similar horizontal waterproofing applications, a 120-mil layer of HYDRALASTIC 836 embedded with REINFORCING FABRIC HCR from W. R. MEADOWS is recommended. For all horizontal installations, refer to High Build Reinforced System installation guidelines provided at www.wrmeadows.com for proper installation guidelines. If there are no details available for your specific application, please contact a W. R. MEADOWS representative for recommendations.

If a second coat is necessary, apply as soon as possible, but no more than eight hours apart at 75° F (23° C). As ambient, substrate, and material temperatures increase, an oily like film may develop on the surface and act as a bond breaker.

For next-day or second-coat applications, rub the tie-in area down [6" - 8" (152 - 203 mm wide)] with acetone or alcohol. This removes the oil film.

Protect the Membrane ... On all vertical and horizontal installations, protect HYDRALASTIC 836 with PROTECTION COURSE (PC-2) or MEL-DRAIN™ (type with the polyester backing film) from W. R. MEADOWS or contact W. R. MEADOWS for additional protection course options. Application of protection should be done after material can be walked on without causing damage to the integrity of the membrane.

HYDRALASTIC 836 will not typically wash off if rain begins during or after application. Stop all work if rain begins and protect open or unused material from rainfall.

Tack-Free Drying Time ... HYDRALASTIC 836 features a fast-drying time. Drying time is usually four hours, depending on temperature and relative humidity.

Cleanup ... Uncured HYDRALASTIC 836 cleans up easily with alcohol or other solvents. Cured material is best removed by mechanical means.

PRECAUTIONS

Do not expose product to exterior UV for longer than 14 days. HYDRALASTIC 836 is not to be used as a liner in a water-containing structure and is not to be used as an exposed or wearing surface. For this purpose, use the GEMITE® line of products. Do not use on surfaces that are later to be painted. This data sheet provides a summary of the factors, precautions, limitations, and design theories that should be considered when designing a complete waterproofing and drainage system, but is not stand alone or complete; project, environmental, and application specific requirements must be considered before drafting a guide specification, determining suitability or application of material. Refer to Safety Data Sheet for health and safety information.

LEED INFORMATION

May help contribute to LEED credits:

- EA p2: Minimum Energy Performance
- EA c2: Optimize Energy Performance
- MR c9: Construction and Demolition Waste Management
- EQ c2: Low-Emitting Materials
[For Healthcare and Schools (exterior-applied products) ONLY]

For most current data sheet, further LEED information, and SDS, visit www.wrmeadows.com.



LIMITED WARRANTY

W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

Disclaimer

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