



DATA SHEET NO. 6331-000

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 odour.

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 split-slab applications. HYDRALASTIC 836 can also be used in vertical applications.

FEATURES/BENEFITS

- Skins over in 30 minutes at 23° C
- Easy application; no mixing required.
- Can be applied to green concrete.
- Will not slump.
- Will not harm EPS or Styrofoam materials.
- Does not require primer.
- Does not freeze; will not be damaged due to freezing weather conditions.
- Cures to a tough, flexible membrane.

PACKAGING

18.93 Litre (5 Gal.) Pails

COVERAGE

Approximate coverage per 3.78 L (1 gal.)

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

SHELF LIFE

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

SPECIFICATIONS/STANDARDS

- ASTM C836
- Canada VOC Concentration Limits for Architectural Coatings Regulations

TECHNICAL DATA

Property	Typical Test Value	Test Method
Solids Content By Weight, %	98	ASTM D1250
Tensile Strength, MPa (psi)	70 (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, ° C	-40° to 70° C	
Minimum Application Temperature, ° C	Above -1 and Rising	

APPLICATION

Positive slab drainage is recommended by means of a minimum 3 mm (1/8") in 300 mm (12") slope and preferably 6 mm (1/4") in 300 mm (12") slope to adequate drainage.

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.

Continued Over ...

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Surface Preparation ... HYDRALASTIC 836 is intended for concrete, 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, surface dry condition, 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.

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. Priming is also recommended to remove trapped air/vapour from the substrate. Do not use asphalt-based primers. The recommended primers are REZI-WELD™ LV and REZI-WELD LV STATE from W. R. MEADOWS. For vertical applications ONLY, REZI-WELD 1000 is recommended. For full priming instructions, see INSTALLATION GUIDELINES: HYDRALASTIC 836 PRIMING GUIDE at www.wrmeadows.com.

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 23° 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 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 TECHNICAL BULLETIN 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 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 [152 - 203 mm wide (6" - 8")] with acetone or alcohol. This removes the oil film.

Protect the Membrane ... On all vertical and horizontal installations, protect HYDRALASTIC 836 with PROTECTION COURSE (VIBRAFLEX® PC) 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. Cured material is best removed by mechanical means.

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WARRANTY: W. R. Meadows of Western Canada warrants that, at the time and place we make shipment, our materials will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM OF TRADE OR OTHERWISE. As the exclusive remedy for breach of this Warranty, we will replace defective materials, provided, however, that the buyer examine the materials when received and promptly notify us in writing of any defect before the materials are used or incorporated into a structure. Three (3) months after W. R. Meadows of Western Canada has shipped the materials, all our Warranty and other duties with respect to the quality of the materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates and no action for breach of any such duties may thereafter be commenced. W. R. Meadows of Western Canada shall in no event be liable for consequential damages. Unless otherwise agreed to in writing, no warranty is made with respect to materials not manufactured by W. R. Meadows of Western Canada. We cannot warrant or in any way guarantee any particular method of use or application or the performance of materials under any particular condition. Neither this Warranty nor our liability may be extended or amended by our salesmen, distributors or representatives, or by our distributor's representatives, or by any sales information or drawings.

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.

MASTERFORMAT NUMBER AND TITLE

07 14 16 - Cold Fluid-Applied Waterproofing

For CAD details, most recent data sheet, sustainability information, and SDS, visit www.wrmeadows.com.

2024-07-24



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