



## 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. It will not crack in extreme cold or slump due to softening at high temperatures.

#### USES

HYDRALASTIC 836 can be used 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 applications. HYDRALASTIC 836 can also be used in vertical applications.

#### FEATURES/BENEFITS

- Bonds to both concrete and asphalt.
- Skins over in 30 minutes; 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 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 <sup>2</sup> (26 ft. <sup>2</sup> )	60 mils (dry)
1.6 m <sup>2</sup> (17.5 ft. <sup>2</sup> )	90 mils (dry)
1.2 m <sup>2</sup> (13 ft. <sup>2</sup> )	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 a minimum of six months from date of manufacture.

#### SPECIFICATIONS

- ASTM C 836
- Canada VOC Concentration Limits for Architectural Coatings Regulations

#### TECHNICAL DATA

Property	Typical Value	Test Method
Solids Content By Weight	98%	ASTM D-1644
Solids Content By Volume	98%	ASTM D-2697
Tensile Strength	70 psi	ASTM D-2370
Elongation	440%	ASTM D-2370
Water Vapor Transmission	0.07 perm inches	ASTM E-96
Shore 00 Hardness	55	ASTM C-661
Low Temperature Flex	-28.9° C (-20° F) pass 6.4 mm (¼") mandrel	ASTM D-816
Shrinkage	No visible shrinkage after 14 days	
Service Temperature	-40° - 70° C (-40° - 158° F) continuous service	
Minimum Application Temperature	Above -1° C (30° F) and rising	
VOC Content	26 g/L	

Continued Over ...

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## APPLICATION

**Surface Preparation** ... HYDRALASTIC 836 is intended for concrete, asphalt, metal, and wood surfaces. These surfaces need to be free of all coatings, such as curing compounds, sealers, etc. These surfaces may need to be cleaned by sand blasting, power washing, wire brushing, and any other suitable cleaning techniques. Use alcohol to remove all dirt, oil, loose paint, frost, and other contamination from all working surfaces. DO NOT USE petroleum solvents such as mineral spirits or xylene. In cold temperatures, the surface must be free of frost.

Do not use asphalt-based primers on concrete or metal surfaces. Do not condition any concrete or metal surfaces with asphalt primer. Asphalt primer acts as a bond breaker and softens the cured material. Residual asphalt or old, non-live coal tar pitch-coated surfaces are OK. In this case, a sample area test is suggested.

**Mixing** ... Gentle mixing may be necessary if product has settled.

**Application Method** ... Make sure product is at room temperature (store at room temperature for 24 hours) before application to ensure 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, so make sure all spreading and finessing of the product is done within this timeframe.

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. A single coat application (60 mils) can be used for typical waterproofing applications such as foundation walls and planters. REINFORCING FABRIC HCR is recommended in all applications of HYDRALASTIC 836 to provide an effective treatment.

If a second coat is necessary, apply as soon as possible, but no more than eight hours apart. As ambient temperatures and surface temperatures increase [26.6° - 29.4° C (80° - 85° F)], the oils in the product rise to the

surface and act as a bond breaker. For next-day applications, rub the tie-in area down [152 – 203 mm (6"-8" wide)] with acetone or alcohol. This removes the oil film.

**Protect the Membrane** ... On all vertical and horizontal installation with PERMINATOR®, PROTECTION COURSE (VIBRAFLEX® PC), or MEL-DRAIN™ from W. R. MEADOWS. Application of protection should be done after material can be walked on.

HYDRALASTIC 836 will not wash off if rain begins during or after application. But, all work shall stop if rain commences.

**Drying Time** ... HYDRALASTIC 836 features a fast drying time. Drying time is usually four hours, depending on temperature. After four hours, another coat can be applied.

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

## PRECAUTIONS

Do not expose to UV for longer than 14 days. HYDRALASTIC 836 is not to be used as a liner in a water-containing structure or as an exposed or wearing surface. For these application types, use the GEMITE® line of products. Do not use on surfaces that are later to be painted. Do not store in high temps. HYDRALASTIC 836 is a fluid-applied waterproofing membrane that is designed to be used as part of a complete waterproofing and drainage system. Refer to Safety Data Sheet for health and safety information.

## MASTERFORMAT NUMBER AND TITLE

07 14 16 - Cold Fluid-Applied Waterproofing

## LEED INFORMATION

May help contribute to LEED credits:

- EA Credit 1: Optimize Energy Performance
- IEQ Credit 3.1: Construction Indoor Air Quality Management Plan: During Construction
- IEQ Credit 4.2: Low-Emitting Materials – Paints and Coatings
- IEQ Credit 7.1: Thermal Comfort – Design
- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

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