



## TECHNICAL BULLETIN HYDRALASTIC™ 836 SL HIGH BUILD REINFORCED SYSTEM

High build reinforced system consists of two applications of HYDRALASTIC 836 SL reinforced with REINFORCING FABRIC HCR. All detailing work should be done prior to full application of HYDRALASTIC 836 SL. Application details can be found at [www.wrmeadows.com](http://www.wrmeadows.com).

**New Concrete** ... For best results, all new concrete surfaces should be given a light trowel finish or screed to provide a flat, uniform surface. The surface should then be finished with a light broom profile. Wet curing is recommended. All membrane curing compounds must be mechanically removed. New concrete should be power washed or blown clean with oil-free compressed air before coating application to ensure removal any dirt build or contaminants that may interfere with bond of primer or HYDRALASTIC 836 SL.

**Surface Preparation** ... HYDRALASTIC 836 SL is intended for concrete, metal, and wood surfaces. For existing concrete remedial work or new concrete lacking profile, lightly roughen or rough grind substrate. Concrete surfaces require a finish equal to or greater than ICRI CSP #3. Surface preparation may be completed by shot blasting. Install a 100 - 200 ft.<sup>2</sup> (9.30 - 18.58 m<sup>2</sup>) mockup of the system to be installed and approved for actual coverage rates and functionality before proceeding.

The concrete must be structural sound and free of all contaminants, including oil, grease, dust, laitance and other bond-breaking materials. Mechanically abrade the concrete surface by grinding, abrasive blasting, or shot blasting to ICRI Guideline No. 310.2R, CSP 3 - 5.

For metal surfaces, remove all oils or other contaminants on the surface prior to application of HYDRALASTIC 836 SL. Mechanically abrade and solvent wipe to remove any contaminants. All metal substrates must be primed. Allow the solvent to evaporate completely prior to application.

All surfaces must be thoroughly dry to ensure proper performance of the HYDRALASTIC 836 SL system.

**Joints, Cracks, and Flashing** ... Apply a stripe coat of HYDRALASTIC 836 SL over all cracks up to 1/16" (1.58 mm) width. All cracks over 1/16" (1.58 mm) width must be caulked.

**Priming** ... For porous substrates and 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 SL is recommended. Discovery of these issues is generally revealed in the mockup. For priming recommendations and installation, refer to the Priming Installation Guideline provided at [www.wrmeadows.com](http://www.wrmeadows.com).

**Decrease Blistering** ... This is a water-activated waterproofing compound membrane, as such water is required for proper curing. The waterproofing membrane should be properly mixed with water to achieve optimal performance. Add one quart (0.95 L) of potable water per five gal. (18.9 L) pail of HYDRALASTIC 836 SL. It is required to add one quart (0.95 L) of potable water to properly cure and decrease the probability of blistering. Also, applying HYDRALASTIC 836 SL in the cooling part of the day or not in direct sunlight will decrease probability of blistering due to outgassing from the concrete.



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**Mixing** .... Mix ratio: 20 parts HYDRALASTIC 836 SL to one part water by volume. HYDRALASTIC 836 should be thoroughly mixed before adding water. Add one quart (0.95 L) of water to five gallons (18.9 L) of HYDRALASTIC 836 SL and mix thoroughly for three minutes using a mechanical mixer at slow speed to ensure a homogeneous material. Use a "Jiffy Mixer" designed for paints or coatings, not a mud or mortar mixer. Take care not to allow entrapment of air into the material.

**Application Method** ... Make sure product is conditioned at 75° F (23.9° C) by storing product overnight or at least 12 hours prior to use for ease of application.

Apply evenly by notched trowel, squeegee, or back roll. A serrated or notched squeegee is suggested for best results. Notched rubber squeegees provide a uniform coat. HYDRALASTIC 836 SL can also be applied horizontally with a squeegee or roller. Cure time will vary depending on temperature and humidity. Attention to proper slope to drain is essential for proper waterproofing. HYDRALASTIC 836 SL has a work life of 20 minutes at 75° F (23.9° C) with the addition of potable water. Make sure all spreading and finishing of the product has been completed within this timeframe.

HYDRALASTIC 836 SL can be applied up to 15 mils in a single vertical application until the minimum 60 mils or project specified mil thickness requirement is achieved.

To create the high-build system, Apply HYDRALASTIC 836 SL using a trowel, roller, or notched serrated squeegee at a rate of 25 ft.<sup>2</sup>/gal. (0.61 m<sup>2</sup>/L) to the entire area to receive waterproofing,

including over all previously detailed areas. Test periodically to make sure correct mil thickness (60 mils) is achieved. Immediately install REINFORCING FABRIC HCR into the wet HYDRALASTIC 836 SL and ensure that the fabric is completely covered and saturated with HYDRALASTIC 836 SL. A dry roller can be used to embed the fabric into the wet HYDRALASTIC 836 SL. Overlap adjoining sheets of fabric a minimum of ½" (12.7 mm) and ensure these areas are also saturated with HYDRALASTIC 836 SL. Carefully install fabric to avoid wrinkles and air bubbles. If this occurs, cut fabric and roll into place to remove air and wrinkles.

Prior to application of the second coat of HYDRALASTIC 836 SL, the first coat should be cured for approximately four hours or until membrane can support foot traffic. Cure times can be affected by humidity and temperature. Once cured, the second coat should be applied as soon as possible, waiting no longer than 24 hours. This second coat should be applied at a rate of 25 ft.<sup>2</sup>/gal. (0.61 m<sup>2</sup>/L), extending past the edge of the fabric to completely encapsulate it. Test periodically to make sure the correct mil thickness (60 mils) is achieved. The total system dry film thickness shall be 120 mils.

**Protect the Membrane** ... Protect HYDRALASTIC 836 SL with MEL-DRAIN™ (type with the polymeric 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.





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

**Cleanup** ... Uncured HYDRALASTIC 836 SL cleans up easily with acetone, mineral spirits, or xylene. Cured material is best removed by mechanical means.



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