

TECHNICAL BULLETIN

TARGET MARKET ROOFING & WATERPROOFING



Subject: **Sikalastic® 2-Component Hot Applied Liquid Resin; Sikalastic®-835 I, is part of a new product line for Roofing and Waterproofing, BU-LAM. 25-02**

Application:

Sikalastic® 2-component hot spray applied resin; the **Sikalastic®835 I**, is a high performance, pure polyurea membrane. It is highly elastic, 100% solids, very fast curing liquid membrane. High impact, abrasion and puncture resistant and strong resistance to many chemicals. It can be applied in temperatures of (5° F to +158°F).

This product can only be spray applied with special two part hot spray equipment.

For areas of application, it is suitable on most substrates, concrete, screed, metal, bituminous membrane, masonry and wood. A waterproofing solution for both new construction and refurbishment projects. It can also be used as a coating for concrete protection (decks, bridges, tunnels), metal and concrete water retaining structures (dams, canals, tanks, safety petrochemical tanks, pipelines), waterproofing on roofs for vehicle access with concrete overburden or other live or decorative overburden.

System for Concrete Structures

1. Prep the substrate with appropriate Sika primer, Sikalastic® EP Primer/Sealer lightly broadcasted with quartz sand. 0.4-0.7 mm or Sika® Concrete Primer Lo-VOC or Sikalastic® GDC Primer.
2. Hot Spray 20 ft²/gal, 80 mils (WFT) of Sikalastic® 835 I base coat to primed substrate and allow to cure.
3. Once base application is properly cured apply top coat of 10-12 mils (wft) of Sikalastic®701 SF, allow to cure.

System for Carbon Steel Structures

1. Prep the substrate with appropriate Sika primer, Sikalastic® EP Primer/Sealer lightly broadcasted with quartz sand. 0.4-0.7 mm.
2. Hot Spray 20 ft²/gal, 80 mils (WFT) of Sikalastic® 835 I base coat to primed substrate and allow to cure.
3. Once base application is properly cured apply top coat of 10-12 mils (wft) of Sikalastic®701 SF, allow to cure.

Additional Notes:

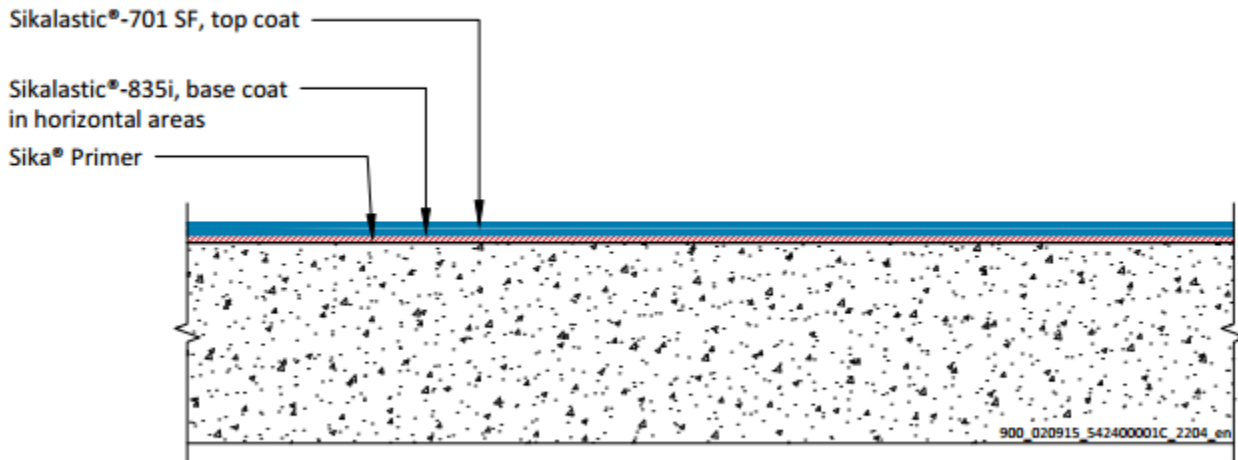
- Sikalastic 835 I is not UV stable and will discolor and chalk under direct UV exposure
- On porous substrates it is recommended to apply Sika epoxy based primer in multiple layer to fill porosity
- These are currently imported Sika products, stocked in USA and may require lead time
- Primer should be lightly broadcast with clean dry quartz sand, 0.4-0.7 mm. (Do Not Blind the Primer)
- Product attributes:
 - Little to no VOC's ≤ 1.0 g/l
 - Quick cure
 - Special hot spray equipment required
 - Highly chemical resistant
 - Highly elastic, crack bridging
 - Can be applied in 5°F to +158°F
 - Excellent anticorrosion protection
 - High impact, abrasion and puncture resistant

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Below are typical detail samples. Fifteen (15) typical details are available online for Sikalastic 2-component hot spray applied systems.

[Typical Roofing/Waterproofing Details \(Liquid Applied\)](#)

Unreinforced Exposed Membrane System



Unreinforced Protected Membrane System

