

# TECHNICAL BULLETIN

## TARGET MARKET ROOFING & WATERPROOFING

BUILDING TRUST



**Subject:** Sikalastic® 2-Component, Cold Applied Liquid Resins; Sikalastic 701 SF, Sikalastic 702 & Sikalastic 702 THX are part of a new product line for Roofing and Waterproofing, BU-LAM. The systems can be Reinforced or Unreinforced applications in Chemical Containment & Cooling Tower Areas or Exposed & Protected membrane systems.

**Application:**

Sikalastic® 2-component cold applied resins; the **Sikalastic®701 SF** is a high performance, polyaspartic top coat, **Sikalastic®702**, & **Sikalastic®702 THX** are highly elastic polyurea & thixotropic polyurea hybrid base membranes. All are very low VOC content, well below industry standard.

These membranes are cold liquid applied with roller, brush or notched squeegee application. They can be reinforced or unreinforced systems that will perform as both roofing and waterproofing. The 701 SF top coat is a self-smoothing, high gloss, organic growth resistant & multi chemical resistant finish. 702 is a self-smoothing base coat resin for protected installations or for 701 SF system base coat. 702 THX is a thixotropic base coat for detailing and vertical surfaces.

**Exposed System - Chemical Containment or Cooling Tower Areas with Sikalastic®-702/Sikalastic®-701 SF**

1. Prep the substrate with appropriate Sika primer, either Sikalastic® EP Primer/Sealer, or Sikalastic® GDC Primer.
2. Apply 80 mils (WFT) of Sikalastic®702 base coat to primed substrate, roll with spiked pin roller 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.

**Note:**

- For unreinforced system, a substrate evaluation is required
- Approved substrates: Concrete slabs, Concrete, Cementitious & Metals
- Where slip resistance or walkway is required broadcast to refusal a min. 16/30 or 20/40 oven dried silica sand into the second top coat of 701SF while still wet

**Exposed Unreinforced System with Sikalastic®-702/Sikalastic®-701 SF**

1. Prep the substrate with appropriate Sika primer, either Sikalastic® EP Primer/Sealer or Sikalastic® GDC Primer.
2. Apply one, 80 mils (WFT) of Sikalastic®702 base coat to primed substrate, roll with spiked pin roller and allow to cure.
3. Once base application is properly cured apply one top coat layer of 10-12 mils (WFT) of Sikalastic®701 SF, allow to cure.

**Note:**

- For unreinforced system, a substrate evaluation is required
- Approved substrates: Concrete slabs, Concrete, Cementitious & Metals
- Pre-stripping laps with 702 THX may be required

### Unreinforced Protected Membrane System with Sikalastic®-702

1. Prep the substrate with appropriate Sika primer, either Sikalastic® EP Primer/Sealer or Sikalastic® GDC Primer.
2. Apply 40 mils (WFT) of Sikalastic®702 base coat to primed substrate, roll with spiked pin roller and allow to cure.
3. Apply 40 mils (WFT) of Sikalastic®702 to the top of the 702 base coat layer, roll with spiked pin roller and allow to cure.

Note:

- Approved substrates: Concrete slabs, Concrete, Cementitious & Metals
- Protection layer is required between membrane and overburden
- No UV exposure to the Sikalastic 702
- Adhesion key for cementitious overlay, broadcast to refusal a min. 30/60 oven dried silica sand into the additional coat of 702

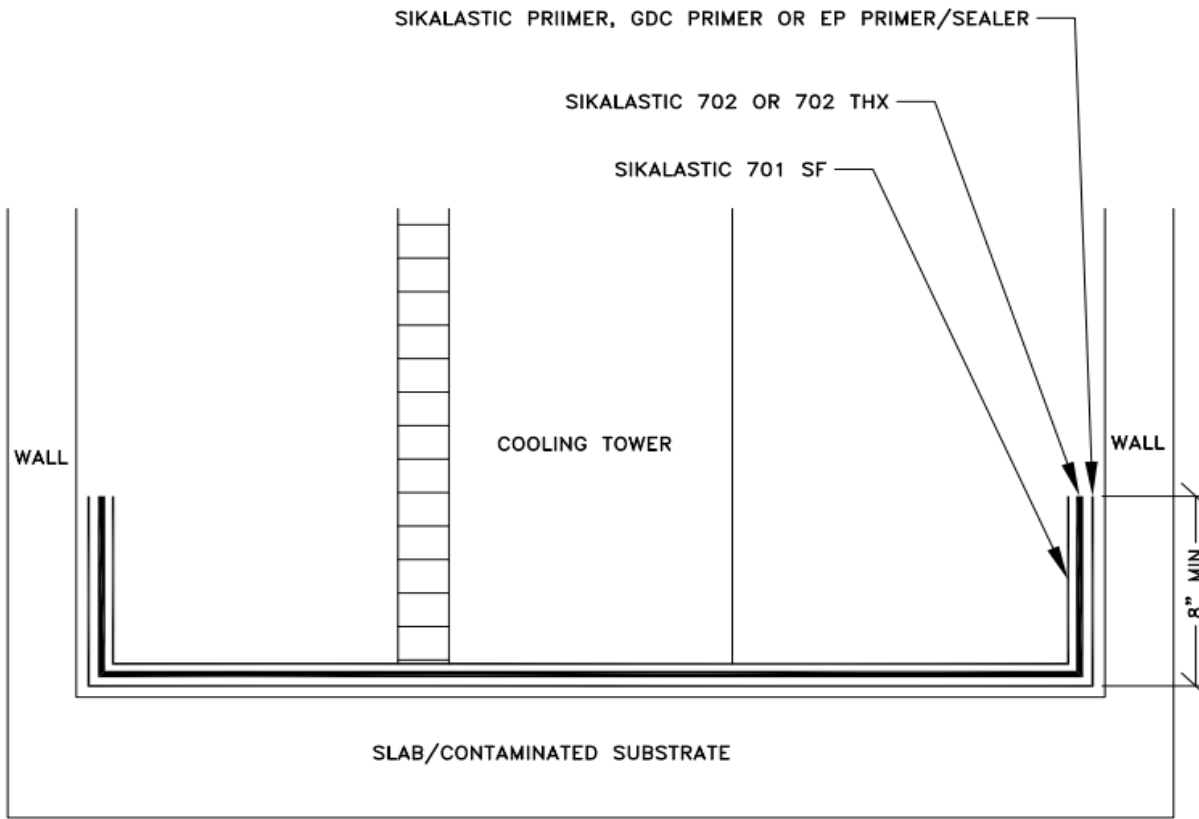
Additional Notes:

- Sikalastic 702 THX is required for all sloped and vertical surfaces – minimum 2-coats at 40 mils thick
- Sikalastic 702 & 702 THX must be overcoated within 48 hrs. with Sikalastic 701 SF
- These are currently imported Sika products stocked in USA and may require lead time.
- Product attributes:
  - Little to no VOC's ~3.86 g/l
  - Quick cure
  - No special equipment required
  - Highly chemical resistant
  - Minimal dirt pick up
  - Unreinforced systems with substrate evaluation
  - High gloss top performance finish
  - Compatible Substrates (concrete, concrete slabs, cementitious & metal)

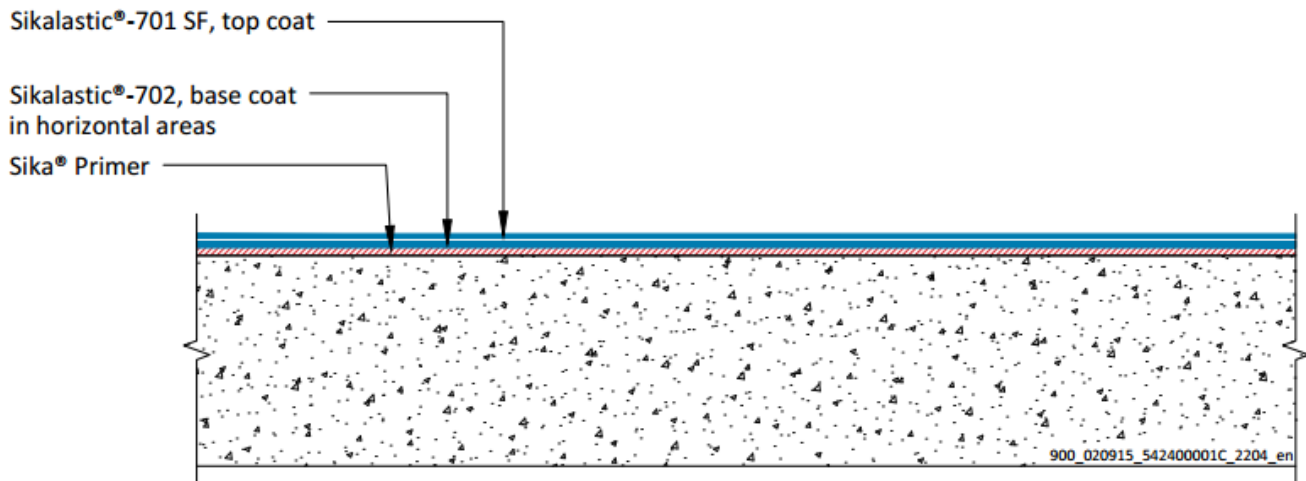
Below are typical detail samples. Sixteen (16) typical details are available online for Sikalastic 2-component cold applied systems.

<https://usa.sika.com/sarnafil/en/downloads/details.html>

**TECHNICAL BULLETIN**  
**Chemical Containment or Cooling Towers**



**Typical Unreinforced Exposed Roof System**



**TECHNICAL BULLETIN**  
**Unreinforced Protected Membrane System**

