

# TECHNICAL DATASHEET

## Hydrosil Seam Sealer & Detailer

### Description & Uses

Hydrosil Seam Sealer & Detailer is a professional grade high performing seam sealer & detailer for the protection of seams, penetrations, and fasteners on various architectural surfaces and roofing substrates. Upon cure, it forms a durable, breathable and water-resistant barrier that is resistant to degradation from UV and natural weathering.

**Note: For professional use only** – do not dilute. We cannot assume liability for the results of customers use or a customer's inability to properly use or apply this product.

### Preparation

- Can be applied by trowel or stiff brush.
- Ensure all surfaces are clean, dry and paintable. It may be necessary to power wash and/or prime to enhance adhesion.
- Product should be applied as received and dilution with solvent is not recommended. If settling in the package has occurred, **stir or shake the material well prior to use.**
- Can be applied over surfaces that exhibit ponding water, however it is advised that all roof systems be designed and built to ensure positive drainage.
- Can be used in conjunction with the Hydrosil Reinforcement Roll.



### FLASHING APPLICATION & REPAIR WITH CROMAR HYDROSIL SEAM SEALER AND DETAILER

1. All flashing details, penetrations and curbs shall be covered with HydroSil Seam Sealer and Detailer at 3-4mm thick and shall be feathered at the edges for the water to flow over the various flashing details.
2. **Blisters/Splits:** Large splits/blisters are required to be repaired use HydroSil Heavy Duty Reinforcement roll fabric with HydroSil Seam Sealer and Detailer Seam Sealer at 1.5 - 2 mm thick in a three-course fashion and spread to 5 cm to 10 cm beyond the splits/blisters areas.
3. **Roofing Felt Repair:** Thoroughly inspect the roof substrates for defects (holes and openings). For repairs over 3 mm wide, use HydroSil Heavy Duty Reinforcement roll fabric with HydroSil Seam Sealer and Detailer Seam Sealer at 1.5 cm thick in a three-course fashion and spread to 5 cm to 10 cm beyond the repaired areas.
4. **Roof Drains:** Remove clamping ring and clean all existing build-up from around the drains and sumps. Apply HydroSil Seam Sealer and Detailer across the entire drain/sump area. Extend the application into the drain bowl from centre of drain onto the deck 15 cm beyond drain

sump. Allow to cure. Replace clamping ring. The silicone coat application shall be applied over the HydroSil Seam Sealer and Detailer.

5. **Curb Flashings:** All curb flashings shall be dressed in at least a 5 cm wide x 3-4 mm thick HydroSil Seam Sealer and Detailer.
6. **Fasteners:** Encapsulate all fasteners using HydroSil Seam Sealer and ensuring a water tight seal from the base to the top of the fastener.
7. **Penetrations:** HydroSil Seam Sealer and Detailer shall be applied around the base of the penetration, extending at least 10 cm onto the vertical and 10 cm onto the base. Use additional HydroSil Seam Sealer and Detailer as necessary to accommodate the shape of the penetration.
8. **Seams:** All seams and areas around roof protrusions (vents, scuttle hatches, etc.) are to be treated with HydroSil Seam Sealer and Detailer at 3-4 cm thick to achieve a watertight reinforced seal.
9. **Pitch Pans:** Pitch pans shall be covered using HydroSil Seam Sealer and Detailer.
10. **Curbed AC Units:** All curb flashings shall be covered with at least a 5 cm wide x 3-4 mm of HydroSil Seam Sealer and Detailer. The perimeter shall be flashed with HydroSil Seam Sealer and Detailer.
11. **Skylights** All exposed skylight fasteners shall be covered with HydroSil Seam Sealer and Detailer. All curbed corner joints shall be covered with HydroSil Seam Sealer and Detailer at least 5 cm wide x 3-4 mm thick.
12. Inspect Preliminary Work / Flashing Details for problem areas (e.g., gaps, cracks, fish mouths, air pockets, etc.) before proceeding to the application of HydroSil Seam Sealer and Detailer.

To ensure a uniform build and thorough coverage it should typically be applied in one application. If applying in multiple applications, allow adequate time between each application for curing before applying additional material.

Final cured thicknesses must be free of voids, pinholes, cracks or blisters.

#### **Cure Time**

Tack Free in 2 hours.

Dry to Touch in 6 hours.

Drying time is dependent on temperature, humidity and film thickness.

#### **Cleanup**

Clean equipment containing uncured material with mineral spirits, toluene, or alcohol based solvents. DO NOT USE water.

### Storage

Store in a well-ventilated place in unopened containers between 1 and 23°C. Can be stored in unheated warehouses during the cooler months without the risk of freezing. Keep cool. Store locked up.

### Shelf Life

18 months from date of manufacture when stored in original, unopened containers between 1 and 23°C.

### Limitations

- Do not apply at ambient temperatures lower than 4°C.
- Ensure that all surfaces are not wet or damp and that rain is not imminent during the application time, or for at least an hour after application.
- Should not be applied to unprepared surfaces including but not limited to those that are wet, dusty, oily, mildewed, heavily chalked, blistered or otherwise structurally unsound.
- Asphaltic or bituminous substrates may cause discoloration or bleeding of the mastic.
- Requires atmospheric moisture for propagation of cure thus it is not suitable for use in totally confined spaces.
- It is the user's responsibility to ensure suitability for use. Read product label and application guide thoroughly before use. Safety Data available on request.

### Technical Data

<b>Tensile Strength</b>	305 ± 10 psi @ 23°C
<b>Elongation</b>	60% ± 10% @ 23°C
<b>Tear Resistance</b>	25 ± 5 lbf/in @ 23°C
<b>V.O.C</b>	<50 g/L
<b>Solids by Weight</b>	97% ± 2
<b>Solids by Volume</b>	91% ± 2
<b>Tack Free Cure</b>	2 hours
<b>Dry to touch</b>	6 hours

### Further Information:

In the event of further queries or problems concerning the use of this product, please contact the address below, e-mail [info@cromar.uk.com](mailto:info@cromar.uk.com).

*All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Cromar Building Products Limited products' are available for sale in accordance with Cromar Building Products Limited standard conditions of sale, which is available upon request. Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.*

