

Product Mixing Instructions

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Sikagard® E.W.L. & E.W.L. Trowel Grade

Sikagard® E.W.L. & E.W.L. Trowel Grade

High-Build, Chemical, Corrosion and Abrasion Resistant, Liquid- or Trowel-Applied Polyurethane Coatings and Linings

Material Description Sikagard® E.W.L. (Elastic Waterproof Lining) & E.W.L. Trowel Grade are two-component, polyurethane based and liquid- or trowel-applied elastomeric coatings. They have been specifically designed for use in water and wastewater applications, including those which require potable water contact certification. The cured materials provide a chemical, corrosion, temperature and abrasion resistant lining. Sikagard® E.W.L. & E.W.L. Trowel Grade are amongst the toughest coatings available, specifically formulated to meet the demanding needs of the water/wastewater industries and other demanding applications

Importance of Mixing It is critical, as with any two-component (resin and hardener) coating system that the appropriate amount of each component is mixed together. This is vital to the curing of the material, its ability to develop the required characteristics and provide the long-term performance expected.

Supply Format

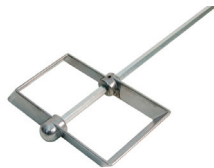
- Each Sikagard E.W.L. product is packaged with pre-measured resin and hardener.
- Resin components supplied in 3.78 L (1 US gal.) cans are to be mixed with the hardener component supplied in bottles.
- Resin components supplied in 18.9 L (5 US gal.) pails are to be mixed with the hardener component supplied in jugs.
- Each pre-measured component has a colour coded label in order to assist with identifying the appropriate resin and hardener.

Mixing Equipment

- A 12 mm (½ in) drill with at least 5 amp and 450-500 rpm capability to mix all Sikagard® E.W.L. products.
- Use a 75 mm (3 in) spiral blade for 3.78 L (1 US gal.) units only.



- Use a 200 mm (8 in) mud mixer for 18.9 L (5 US gal.) units only.



Mixing paddle - Not to be used

- Use mixing jigs (with mixing paddle shaft cut to 6 - 18 mm from bottom of pail) for E.W.L. Standard Grade only (not Trowel Grade).
- A suitably accurate and reliable timer.



Mixing Procedure Stir Component A (resin) in its part filled container using the appropriate tools mentioned above. Once material is of uniform consistency and colour, it is ready for receiving Component B (hardener) and mixing.

Under no circumstances agitate (shake) or stir Component B (hardener) before adding to Component A (resin). The hardener is not a catalyst, so do not add more or less of the required amount.

Slowly add Component B (hardener) to Component A (resin) while the mixing paddle is in motion and mix thoroughly for at least 3 minutes (measured using accurate timer). During the mixing operation, scrape down the sides and bottom of the container with a flat or straight edge at least once, to ensure complete mixing.

Note: Ensure that the mixing paddle remains beneath the level of the material. Do not draw air into the mix

When completely mixed Sikagard® E.W.L. & E.W.L. Trowel Grade should be uniform in colour and consistency. Mix only the quantity that can be used within its pot life (see Product Data Sheets).

Important Considerations

- Never mix Sikagard® E.W.L. products by hand, always mechanically mix.
- Fan blade or rod type mixers shall not be used.
- Do not thin the materials with solvents, water or any other diluent; thinning will adversely affect the application and performance of the coatings.
- Condition and maintain materials at 24 - 35°C (75 - 95°F) for lower viscosity and ease of mixing.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the **most recent Material Safety Data Sheet** containing physical, ecological, toxicological and other safety-related data.

KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelf life. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet under www.sika.ca.



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