



PRODUCT DATA SHEET

Edition 12.2017/v1
CSC Master Format™ 07 14 16
COLD FLUID-APPLIED WATERPROOFING

Sikagard® E.W.L. Bonding Agent

SILANE-BASED, ADHESION PROMOTER FOR APPLICATION OF SIKAGARD® E.W.L. ONTO NON-POROUS SUBSTRATES OR PREVIOUSLY COATED SURFACES

Description	Sikagard® E.W.L. Bonding Agent is a single-component, organo-silane and acetone dispersed compound. It has been specifically formulated to assist in the adhesion of Sikagard® E.W.L. (Elastic Waterproof Lining) coatings to non-porous surfaces, including metal, glass and tile and also for application onto fully cured Sikagard® E.W.L. itself.
Where to Use	Sikagard® E.W.L. Bonding Agent may be required wherever Sikagard® E.W.L. is applied in: <ul style="list-style-type: none"> ▪ Tank lining. ▪ Tank repairs. ▪ Reservoir coating. ▪ Joint sealing. ▪ Chemical containment.
Advantages	<ul style="list-style-type: none"> ▪ Single-part product, does not require mixing. ▪ Liquid applied to accommodate complex details, penetrations and irregular shapes. ▪ Light, 'fog' coat, highly effective yet economic in consumption. ▪ Achieves chemical bond to dense construction materials including steel, tiles and glass. ▪ Sikagard® E.W.L. Bonding Agent is ANSI/NSF Standard 61 classified when used with Sikagard® E.W.L. coatings.

Technical Data

Packaging	3.78 L (1 US gal.) can
Colour	Clear
Yield	7.4 m ² /L (300 ft ² /US gal.) on porous surfaces 14.8 m ² /L (600 ft ² /US gal.) on non-porous surfaces Do not apply the material at higher consumption rates. Coverage rates do not allow for surface profile or wastage.
Shelf Life	2 years when stored between - 6 and 32 °C (20 and 90 °F). Store dry, avoiding contact with water or moisture. Keep all cans and pails securely closed until use.
Properties at 23 °C (73 °F) and 50 % R.H.	
Solids by Volume	< 1 %
Pot Life	Material evaporates quickly from open can/pail.
Drying Time	30 min approx. Acetone dispersant will evaporate quickly on non-porous surfaces and less rapidly on porous surfaces or substrates where wicking may take place.
VOC Content	0 g/L

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

HOW TO USE

Surface

Preparation

General

All substrates must be clean and absolutely dry with no oil, grease or loose debris.

Concrete, Glass and Tile

Concrete surfaces must be clean, sound and dry. Remove any dust, laitance, grease, oil, dirt, curing agents, wax, detritus and contaminants, which might impede adhesion, from the substrates by appropriate mechanical or abrasive means. The surfaces must also be de-glossed.

Steel

Steel substrates must be dry, clean and sound. Remove all materials which might impede adhesion, including corrosion products, dirt, dust, grease, oils, detritus and contaminants by appropriate mechanical means, such as abrasive blast cleaning, in order to achieve SSPC-SP10 / NACE No. 2 Near White Blast for immersion situations or SSPC-SP6 / NACE No. 3 Commercial Blast for non-immersion service. Minimum profile must be 3 mil.

Non-ferrous Metals

Metal substrates, other than steel, must be dry, clean and sound. Remove all materials which might impede adhesion, including corrosion products, dirt, dust, grease, oils, detritus and contaminants by solvent clean and then appropriate mechanical means, such as abrasive blast cleaning, in order to achieve SSPC-SP1. The surface must also be de-glossed.

Previous Coatings and Linings

Application over existing Sikagard® E.W.L. coatings and linings may be undertaken after the surfaces have been thoroughly abraded and cleaned of all contaminants and preparation residue. The resultant surface must be clean, absolutely dry and free from any materials that may impede adhesion.

Mixing	Mixing is not required. However, thoroughly shake the can or agitate material contained within a pail before use. When ready for use Sikagard® E.W.L. Bonding Agent should be uniform in its transparency and consistency. Under no circumstances thin the material. Prepare only the quantity that can be used within its pot life.
Application	Apply Sikagard® E.W.L. Bonding Agent directly to the clean, dry and suitably prepared substrate as a light, 'fog' coat using a precision sprayer. Do not apply by brush, roller or any piece of equipment that will result in a heavier coat. Note: Observe the coverage rates provided within the Yield section of this Product Data Sheet and do not over-apply. To ensure the adhesion of the subsequent coat of Sikagard® E.W.L., however, it must be applied within one (1) hour of applying the bonding agent. If this time period is allowed to elapse before the coating is applied, the bonding agent must be reapplied and the system then installed accordingly.
Drying	The dispersant must be allowed to evaporate and the adhesion promoter allowed to dry before proceeding with subsequent coating works. The surface of the bonding agent must not appear to be wet or discoloured before applying the protective coating. Note: Failure to allow this to happen will result in poor adhesion of the Sikagard® E.W.L. coating and its inability to cure and therefore provide an effective lining.
Clean Up	Clean all tools and equipment using soap and water.
Limitations	<ul style="list-style-type: none"> ▪ Sikagard® E.W.L. systems, including Sikagard® E.W.L. Bonding Agent, are best installed by skilled and experienced applicators. Consult Sika Canada Technical Services for advice and recommendations. ▪ Substrate temperature must be at least 3 °C (5.5 °F) above the measured dew point and rising before application. ▪ Avoid contamination of product with water or moisture. Keep all containers tightly closed until ready for use. All equipment, air supplies, and substrates must be absolutely dry. ▪ Do not thin the material. ▪ Do not apply in wet weather, when rain is imminent or when the substrate or primer may become wet before installation of the coating/lining. ▪ Avoid over-applying the bonding agent, a thin fog coat is essential and all that is required. Applying too much adhesion promoter will result in adhesion levels less than if the bonding agent had not be used. ▪ Specific conditions of the primer, i.e. with all dispersant evaporated and the bonding agent dry, before over-coating must be observed; evaporation of the dispersant should occur within minutes of application. ▪ Sikagard® E.W.L. Bonding Agent only possesses ANSI/NSF Standard 61 classification when used as an adhesion promoter and in conjunction with Sikagard® E.W.L. coatings.
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 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 shelflife. 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 information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

SIKA CANADA INC.

Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9

Other locations
Toronto
Edmonton
Vancouver

1-800-933-SIKA
www.sika.ca

Certified ISO 9001 (CERT-0102780)
Certified ISO 14001 (CERT-0102791)

