Product Data Sheet
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Roofing

Quick Cure Primer

Two-component primer for consistent and durable adhesion between Sika Liquid Plastics' Roofing and Balcony Systems on cementitious and timber substrates

Product Description	Quick Cure Primer is a two component, rapid curing, high solids, solvent based polyurea primer. It is designed primarily for sealing cementitious and timber substrates to reduce the incidence of pin-holing.
Uses	Bonding agent for Sika Liquid Plastics Liquid Applied Roof Membranes to cementitious substrates and small timber components.
Characteristics / Advantages	■ Significantly reduces the likelihood of outgassing from susceptible substrates ■ Seals and primes substrates enabling over-coating at a minimum of 30 minutes (under ideal conditions) ■ Combines a rapid cure time with a long pot life ■ Helps to stabilise substrates ■ Promotes adhesion of subsequently applied coatings ■ Easy application by brush or roller ■ Can be used between coats to locally address pin-holing

Product Data

Form

Appearance	Straw coloured liquid (once mixed)
Packaging	Quick Cure Primer is available in the following pack sizes: 1 Litre 4.5 Litres 11.5 Litres

Storage

Storage Conditions / Shelf Life	12 months from date of production if stored properly in original, unopened and undamaged sealed pack in a cool, dry location away from direct sunlight at temperatures between +5°C and +25°C.

Liquid Plastics
Understanding Roofing

Roofing

Technical Data

Chemical Base	Two component solvent based polyurea
Density	1.02 kg/l
Flash Point	Part A: 40°C Part B: 73°C

System Information

Substrate Quality

Cementitious substrates

New concrete should be cured for at least 28 days and should have a pull off strength ≥1.5 N/mm². Inspect the concrete, including upstands, all areas should be hammer tested. Concrete must be suitably finished, preferably by wood float or steel pan. A power float finish is acceptable where the surface is prepared to avoid laitance (a tamped finish is not acceptable). The surface finish must be uniform and free from defects such as laitance, voids or honeycombing. The substrate must be of a suitable quality and condition to receive the system. Please refer to specification for further details.

Timber components

Timber components (e.g. fillets and battens) must be knot stopped, stable, free from shakes and non-checking. Please consult Technical Customers Services for further information.

Substrate Preparation

Cementitious substrates

Laitance, other loose friable material and weak concrete must be completely removed and surface defects such as blowholes and voids must be fully exposed. In severe cases use abrasive blast cleaning, grinding or scarifying equipment to achieve a sound surface.

Repairs to the substrate, filling of joints, blowholes/voids and surface levelling must be carried out using appropriate products.

High spots must be removed e.g. by grinding.

Outgassing is a naturally occurring phenomenon of concrete that can produce pinholes in subsequently applied coatings. The concrete must be carefully assessed for moisture content, air entrapment, and surface finish prior to any coating work. Any requirement for priming must also be considered. Installing the membrane either when the concrete temperature is falling or stable can reduce outgassing. It is generally beneficial, therefore, to apply the embedment coat in the late afternoon or evening.

Timber substrates

Inspect all existing timber and ensure areas to be treated are free from water damage, rot, etc. Sand to create a key prior to priming.

Roofing

Application Conditions and Limitations

Air Temperature	+5℃ min. / +30℃ max.
Substrate Temperature	+5℃ min. / +30℃ max.
Substrate Moisture Content	Substrate should contain less than 20% wood moisture equivalent as measured by a Protimeter at the time of application. Note: Do not apply to damp surfaces or when rain is imminent. No rising moisture according to ASTM (Polyethylene-sheet). No water / moisture / condensation on the substrate.
Dew Point	Beware of condensation. Surface temperature during application and cure must be at least +3°C above dew point.
Coverage Rates	6-10 m²/L dependant upon substrate demand Note: On porous/open substrates, apply as two coats, each at a maximum spread rate of 6 m²/L.

Application Instructions

Mixing	Add contents of part B into the Part A container and mix for a full minute and until uniform using a drill and paddle. Use immediately and observe pot life of one hour.
Application Method	Apply by brush or roller ensuring a uniform coverage of the substrate is achieved. All areas of puddling must be addressed promptly, strictly observing the pot life of one hour. Failure to achieve this may result in reduced levels of adhesion and performance.
Application Tools	Brush or roller. Use brushes for small areas only.
Potlife	1 hour at 20°C *Note: Pot life will decrease at higher temperatures.*
Waiting Time / Overcoating	Allow a minimum of 30 minutes prior to overcoating (in ideal conditions). The minimum overcoating time should be extended at lower temperatures. If more than 24 hours pass before overcoating with an appropriate Sika Liquid Plastics Membrane, apply an additional coat of Quick Cure Primer. In such instances the previously primed substrate must be thoroughly clean prior to the application of the additional coat of primer.

Curing Details

Approximate Curing Times	At 20°C: Dry to touch 10 minutes Dry through 30 minutes Lower temperatures will extend the minimum curing time. Do not apply in wet weather or to wet surfaces.

Liquid Plastics
Understanding Roofing

Roofing

Notes on Application/Limitation

Value Base	All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.
Disclaimer	The information, and, in particular, the recommendations relating to the application and end-use of Sika Liquid Plastics products, are given in good faith based on Sika Liquid Plastics' current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika Liquid Plastics' recommendations. 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 written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika Liquid Plastics reserves the right to change the properties of its products. 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.

General Information

Specification Assistance	NBS is the industry standard specification system, which allows architects, specifiers and engineers to insert clauses into specifications by manufacturer and product, making the process quicker and more efficient. We are members of NBS Plus and therefore detailed up-to-date product information is readily available to create accurate specifications.
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