

# DTE Primer

## Solvent free, epoxy primer and damp proof membrane

**Product Description** Two component, solvent free, epoxy primer, A pre blended graded Filler can be mixed with DTE Primer to create DTE Primer Scratch Coat, which reduces the profile on uneven substrates.

**Uses** DTE Primer can be applied to damp or freshly laid cementitious decks or screeds with high moisture drive prior to the application of Sika Liquid Applied Roof Systems.

**Characteristics / Advantages**

- Seals and primes surfaces enabling over-coating at a minimum of 8 hours under ideal conditions.
- Can be applied to damp substrates and provides a maximum 7 day overcoat window.
- Suppresses moisture in cement based floors and screeds to provide a damp proof membrane.
- Can be applied to fresh concrete after 3 days' curing to enable rapid installation of coatings or floor coverings.
- Helps to stabilise substrates and enhance adhesion of subsequently applied coatings and floor coverings.
- When bulked out with a pre blended graded Filler, it creates a scratch coat and primer to reduce the profile of uneven surfaces.
- When mixed the product has a low odour which is suitable for indoor use

**Product Data**

**Form**

**Consistency** Liquid

**Colour** Clear amber

**Packaging** DTE Primer: 5L and 12.5L  
Filler: 5kg and 12.5kg (to make DTE Primer Scratch Coat)

**Storage**

**Storage Conditions** Store in a dry, well ventilated place, at temperatures between +5 °C to +30 °C.

**Shelf-Life** At least 6 months from date of production if stored properly in original, unopened and undamaged sealed container. Expiry date is on container.

**Technical Data**

**Chemical Basis** Two component, solvent free, epoxy

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## System Information

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### Application Details

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<b>Consumption</b>	DTE Primer: 0.2L/m <sup>2</sup> - 0.35L/m <sup>2</sup> A 5L pack typically covers between 14.3m <sup>2</sup> and 25m <sup>2</sup> depending on substrate condition.  A 12.5L pack typically covers between 35.8m <sup>2</sup> and 62.5m <sup>2</sup> depending on substrate condition.  DTE Primer Scratch Coat: 1.4kg/m <sup>2</sup> /mm A 10kg composite mix covers 7.1m <sup>2</sup> at 1mm thickness.  A 25kg composite mix covers 17.8m <sup>2</sup> at 1mm thickness
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<b>Substrate Quality</b>	The substrate must offer sufficient strength and adhesion to resist the forces generated by wind suction.
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<b>Substrate Preparation</b>	The surface must be free from laitence, dust, oil, grease, organic growths, existing coatings or other surface contamination. This can be achieved by using portable shot-blasting equipment (e.g. Blastrac) or other approved blasting techniques.  Concrete substrates to be treated should achieve a minimum compressive strength of 25 N/mm <sup>2</sup> and a cohesive strength of not less than 1.5 N/mm <sup>2</sup> . Any remaining oil and grease contamination should be removed. Also remove any visible water from the surface of the substrate prior to application.
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<b>Mixing</b>	Carefully stir the hardener (Part B) and pour into the resin (Part A) container. Mix together using a slow speed drill and paddle until a uniform, clear amber material is obtained, taking care not to entrain air. Use the mixed material within the working life. DTE Primer Scratch Coat: Slowly add the pre blended graded filler* to the pre mixed DTE Primer* while continuing to stir and take care to ensure an even distribution. Mix only sufficient material that can be used within the working life of the product. Higher ambient temperatures will reduce the usable life. For optimum performance, never split or proportion packs.
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<b>Working Life</b>	The typical working life is 90 minutes @ 20°C. At lower temperatures, i.e. 7°C the working life increases to approximately 120 minutes. At elevated temperatures of 30°C the working life reduces to approximately 40 minutes.
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### Installation Instructions

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Roofing



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**Application Method**

Ensure that surfaces have been prepared in accordance with the above, are dry and free from contamination.

Apply one coat of DTE Primer to concrete substrates by squeegee and/or medium pile roller at a coverage rate of between 0.2 - 0.35L/m<sup>2</sup> depending on the condition of the substrate. Ensure that an even and consistent coverage is achieved.

For DTE Primer Scratch Coat applications, the mixed material can be applied by trowel or squeegee to the desired thickness

Tools:

Use brush or roller.

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**Tool Cleaning**

All tools should be cleaned immediately after use. Hardened material can only be removed mechanically. Please contact Sika Liquid Plastics' Technical Customer Services for further advise.

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**Notes on Installation / Limits**

Do not apply below 5°C or to frozen substrates. Ensure the temperature is a minimum of 3°C above dew point.

Coverage rates quoted are for smooth, non-absorbent surfaces. Allowances should be made for uneven or absorbent surfaces.

Take care to ensure an even coverage and avoid ponding in voids and depressions.

Where prevention of osmotic blistering is a primary consideration a coverage rate of 0.35kg/m<sup>2</sup> must be used..

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## Setting

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**Drying Time** Allow a minimum of 8 hours at 20°C (50% R.H) before overcoating.  
Lower temperatures and higher humidities will progressively retard drying, therefore allow 24 hours before overcoating

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**Overcoat Time** Within 7 day if there is a low substrate moisture of <75% (measured in accordance with BS8203-1996 Annex A)

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**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.

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**Health and Safety Information** For information and advice on the safe handling, storage and disposal of chemical products, please refer to the most recent Material Safety Data Sheet.

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**Disclaimer** 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 in accordance with Sika's 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 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.

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**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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**Contact Details** For further information please contact:

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Roofing

