

Decothane Detail Coat

Highly durable, UV-stable, root resistant, versatile and easily applied liquid roof waterproofing detail coat

Product Description

Sika Liquid Plastics' Decothane Detail Coat is a high performance polyurethane coating used as a finishing coat for details with all Decothane waterproofing systems.

Uses

- Detail Coat for Decothane waterproofing systems
- For insulated and non-insulated roof designs
- For new construction and refurbishment projects

Characteristics / Advantages

- Totally seamless, single pack liquid applied membrane
- Cold applied – eliminating the risk of fire during installation
- High solids, VOC compliant to 2004/42/CE
- BBA certified system
- Highest fire ratings once installed ($B_{ROOF}(t4)$)
- Fast curing, develops early rain resistance
- Excellent adhesion to most conventional substrates*
- Minimal disruption and low maintenance
- Elastic properties – tolerant of thermal movement
- Flexible, impact resistant membrane
- Can be applied all year round above 2°C
- Approved to ETAg 005 (Part 6)

*please refer to Substrate Preparation for further information

Tests

Approvals / Standards

- European Technical Approval ETA 03/0052 & ETA-07/0004
- BBA Certificate No. 92/2803 & No. 06/4359

Product Data

Form

Appearance

Pigmented liquid
Slate Grey, Dove Grey, Shale Grey and White

Packaging

15 litres
5 litres

Storage

Storage Conditions / Shelf Life

Store in original, unopened and undamaged sealed packaging in dry conditions at temperatures $>0^{\circ}\text{C}$ and $< 25^{\circ}\text{C}$. Protect from frost.

A shelf-life of 12 months is achieved when stored in accordance with the above recommendations at a temperature of 20°C . Exposure to higher temperatures will reduce the shelf-life.

Reference should also be made to the storage recommendations of the material safety datasheet.



Technical Data

Chemical Base	One-component moisture-triggered polyurethane	
Density	1.45 kg/L (+23 °C)	(EN ISO 2811-1)
Solid Content	~ 81.9 % by volume ~ 88.0 % by weight	
Flash Point	+ 62°C	
Service Temperature	-30 to +80°C (intermittent)	

Resistance

Chemical Resistance	Strong resistance to a wide range of reagents including paraffin, petrol, fuel oil, white spirit, acid rain, detergents and moderate solutions of acids and alkalis. Some low molecular weight alcohols can soften the material. Contact Technical Customer Services for specific recommendations. Salt spray to ASTM B117 (1000 hours continuous exposure) and prohesion testing to ASTM G85- 94; Annex A5 (1000 hours cyclic exposure).
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System Information

Minimum Coverage Rates

Detailing for Decothane Omega 15 Waterproofing System

Preparatory Layer	Substrate must be prepared according to specification – for further information please contact technical customer services	
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Embedment Layer	Decothane Base Coat	1.0 L/m ²
	Sika Reemat Premium	
Top Coat	Decothane Detail Coat	0.75 L/m ²

Roofing



Detailing for Decothane Gamma 20 Waterproofing System		
Preparatory Layer	Substrate must be prepared according to specification – for further information please contact technical customer services	
Embedment Layer	Decothane Base Coat	1.0 L/m ²
	Sika Reemat Premium	
Top Coat	Decothane Detail Coat	1.0 L/m ²
Detailing for Decothane Delta 25 Waterproofing System		
Preparatory Layer	Substrate must be prepared according to specification – for further information please contact technical customer services	
Embedment Layer	Decothane Base Coat	1.0 L/m ²
	Sika Reemat Premium	
Top Coat	Decothane Detail Coat	0.75 L/m ²
Top Coat	Decothane Detail Coat	1.0 L/m ²
Detailing as part of the Decothane Root Resistant Waterproofing Membrane for Sika Liquid Plastics Inverted Roof System		
Preparatory Layer	Substrate must be prepared according to specification – for further information please contact technical customer services	
Embedment Layer	Decothane Base Coat	1.0 L/m ²
	Sika Reemat Premium	
Top Coat	Decothane Detail Coat	0.75 L/m ²
Top Coat	Decothane Detail Coat	0.75 L/m ²
<p>Note: Ideally overcoat within 2 days - If more than 7 days elapse between the application of the base coat and the Decothane Root Resistant Detail Coats, clean the existing surface thoroughly before apply Sika Liquid Plastics' Reactivation Primer and the next coat of Decothane.</p>		

Typical Test Data

Dry Film Thickness 2.5 mm

Tensile Strength 11.0 N/mm²



Tear Force 120 N

Tear Strength 52 N/mm

Tensile Elongation 84 %

Application Details

Substrate Quality

Decothane Detail Coat will only be applied onto Decothane Base Coat or Decothane Root Resistant Base Coat, therefore please refer to the relevant product datasheet for advice regarding substrate preparation.

Existing Decothane Systems

The existing Decothane System should still be soundly adhered to the substrate.

Substrate Preparation

Existing Decothane Systems

Thoroughly clean by power wash and allow to dry. Allow to dry.

Note: For the Waiting Time /Overcoating you should refer to the technical datasheet of the appropriate cleaner. Other substrates must be tested for their compatibility. If in doubt, apply a test area first.

Substrate Priming

Priming not required when applied to newly applied Decothane Base Coat and Decothane Root Resistant Base Coat

Substrate	Primer
Existing Decothane (over 14 days old)	Sika Liquid Plastics Reactivation Primer

Note: For the Coverage Rates/Waiting Time/Overcoating of any products besides Decothane Base Coat please refer to the corresponding technical datasheet. Other substrates must be tested for their compatibility. If in doubt, apply a test area first.

Application Conditions / Limitations

Air Temperature +2°C min. / +35 °C max.

Substrate Temperature +2°C min. / +60 °C max.

Substrate Moisture Content

Wood moisture equivalent (max): < 28%

Please note: Reference should also be made to the appropriate primer technical datasheet.



Relative Air Humidity 20% min. / 85% max.

Dew Point Beware of condensation. Surface temperature during application and cure must be a minimum of +3 °C above dew point.

Application Instructions

Mixing No mixing required

Application Method: Prior to the application of Decothane Base Coat/Root Resistant Base Coat the substrate must be prepared and the priming coat must have cured tack-free. For the waiting time/overcoating please refer to the technical datasheet of the appropriate primer.

Apply first coat of Decothane Base Coat/Root Resistant Base Coat and roll in the Sika Reemat Premium whilst wet. Ensure there are no bubbles or creases and that the Sika Reemat Premium overlaps by a minimum of 5cm. Prior to the application of two coats of Decothane Detail Coat the indicated waiting time in the table below should be achieved.

Please note, always begin with details prior to waterproofing the horizontal surface.

Please refer to the table on the previous page for coverage rates.

Application Tools For best results apply Decothane Detail Coat by brush (for details and penetrations) or roller. Rollers should be disposable medium/long pile simulated sheepskin.

Cleaning of Tools Clean all tools and application equipment with proprietary cleaning solvent immediately after use. Hardened and/or cured material can only be removed mechanically.

Pot Life Decothane Detail Coat is designed for fast drying. High temperatures combined with high air humidity will increase the drying process. Thus, material in opened containers should be applied immediately. In opened containers, the material will form a film within 1 or 2 hours.

Curing Details

Applied Product ready for use

Temperature	Relative humidity	Rain resistant	Touch dry	Full cure
+2°C	50%	1 hour	6-8 hours	12-16 hours
+10°C	50%	1 hour	3 hours	6-8 hours
+20°C	50%	1 hour	2 hours	4-6 hours

Note: Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.



Notes on Application / Limitations

Decothane Detail Coat is to only be applied over Decothane Base Coat or Decothane Root Resistant Base Coat

Do not use Decothane Detail Coat for indoor applications.

Do not apply close to the air intake vent of a running air conditioning unit.

Areas with high movement, irregular substrates, or timber based roof decks require a complete layer of Carrier Membrane.

Decothane Detail Coat is not recommended for frequent traffic. If daily pedestrian traffic is unavoidable, Decothane Detail Coat shall be covered with appropriate elements such as tiles, stone plates, or wooden panels.

Do not apply cementitious products (e.g. tile mortar) directly onto Decothane Detail Coat.

The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.

For colour matching purposes, always ensure the Decothane Detail Coat applied in each area is from the same control batch numbers.

When lower temperatures are anticipated (e.g. overnight), Decothane Accelerator is recommended to shorten the overall curing period. Decothane products should not be applied under conditions where these limits are likely to be exceeded.

Do not use grit salt and/or other de-icing agents between coats of Decothane as this may interfere with the cure and inter-coat adhesion of the product.

The application of the system must be approached as one operation. Always plan for reasonable progress of each coat. Work only so far in advance that the existing surface can be overcoated as the next operation. Finish the coating system completely before progressing to the next area. The ideal time between coats is within 48 hours.

It is not good practice to plan breaks between coats of more than 7 days. For periods longer than this and less than 14 days the surface must be reactivated with Sika Reactivation Primer. Periods between coats longer than 14 days may affect the normal life term of the system –If this happens consult Sika Liquid Plastics for advice. Ensure each application/coat is clean and dry prior to overcoating

At no stage should the Sika Liquid Plastics system or waterproof coating in its finished or intermediate stage be used as a workspace or access floor without adequate protection.

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, please refer to the most recent Material Safety Data Sheet.

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.



Product Data Sheet

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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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Roofing

