

# Decoquick

Pigmented single component coating used as a finishing coat for the Balcony 10 and 15 waterproofing systems and also as a base coat and sealer for the Balcony Trafficable Coat system

**Product Description** Sika Liquid Plastics' Decoquick is a pigmented single component, aliphatic polyurethane coating used as a finishing coat for the Balcony 10 and 15 waterproofing systems and also as a base coat and sealer for the Balcony Trafficable Coat system.

**Uses**

- Seal coat for the Balcony 10 and 15 waterproofing systems
- Base and seal coat of the Balcony Trafficable Coat system
- For exterior applications only

**Characteristics / Advantages**

- Walkways are accessible from 2 hours
- Elastomeric
- Waterproofing
- Excellent chemical resistance
- Vapour permeable
- UV resistant, non-yellowing
- Weather resistant
- Fast cure possible with the addition of Decothane Accelerator

## Product Data

### Form

**Appearance** Pigmented liquid  
Steel Grey (RAL 7015), Pebble Grey (RAL 7032), Cement Grey (RAL 7042)

**Packaging** 5 litres  
15 litres

### Storage

**Storage Conditions / Shelf Life** 12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures >0°C and <20°C.

## Technical Data

**Chemical Base** Aliphatic Polyurethane

**Density** 1.08 (23°C) (EN ISO 2811-1)

**Solid Content** ~ 60.5 % (by volume) / ~ 67.7 % (by weight) (EN ISO 3251)

**Flash Point** ~ 41°C (EN ISO 3679)

**Tensile Strength** ~ 25 N/mm<sup>2</sup> (EN ISO 527-1 / EN ISO 527-3)

**Elongation at Break** ~ 230 % (EN ISO 527-1 / EN ISO 527-3)

## Resistance

**Chemical Resistance** Resistant to mild acids, alkalis, detergents and some solvents. More details are available on request.

## System Information

### Maximum Coverage Rates

#### Balcony Trafficable Coat

Primer	Quick Cure Primer	0.1 L/m <sup>2</sup>
Intermediate Layer	Decoquick with Decothane Accelerator*	0.3 L/m <sup>2</sup>
	Medium Sand Aggregate	3.5 Kg/m <sup>2</sup>
Top Coat	Decoquick with Decothane Accelerator*	0.4 L/m <sup>2</sup>

#### Balcony 10 Waterproofing

Primer (as required)	Quick Cure Primer	0.1 L/m <sup>2</sup>
	or Bonding Primer	0.125L/m <sup>2</sup>
Waterproofing		
First Coat	Decothane Balcons with Decothane Accelerator*	1.1 L/m <sup>2</sup>
Membrane	Reemat Premium	
Second Coat	Decothane Balcons with Decothane Accelerator*	0.5 L/m <sup>2</sup>
Wearing Coat		
Top Coat:	Decoquick with Decothane Accelerator*	0.2 L/m <sup>2</sup>
	Fine Sand Aggregate	0.2 Kg/m <sup>2</sup>

Roofing



## Balcony 15 Waterproofing

Primer (as required)	Quick Cure Primer	0.1 L/m <sup>2</sup>
	or Bonding Primer	0.125 L/m <sup>2</sup>
Waterproofing		
First Coat	Decothane Balcons with Decothane Accelerator*	1.1L/m <sup>2</sup>
Membrane	Reemat Premium	
Second Coat	Decothane Balcons with Decothane Accelerator*	0.5 L/m <sup>2</sup>
Wearing Coat		
Top Coat	Decothane Balcons with Decothane Accelerator*	0.3 L/m <sup>2</sup>
	Medium Sand Aggregate	3.5 Kg/m <sup>2</sup>
Seal Coat	Decoquick with Decothane Accelerator	0.4 L/m <sup>2</sup>

These figures are theoretical and do not allow for any additional material that may be required due to surface porosity, surface profile, variations in level or wastage etc. The excess of quartz sand or paint flakes has to be removed before applying the seal or top coat.

\*Please refer to the Decothane Accelerator technical datasheet for instructions of use.

Exposed metal surfaces to be included in the coating schedule should be wire brushed or mechanically abraded to remove rust/scale or oxidation. Return to a clean, bright metal wherever possible.

**Note:** Use equipment with deference to safety and where necessary, check suitability with the equipment provider.

## Substrate Quality

The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm<sup>2</sup>) with a minimum pull off strength of 1.5 N/mm<sup>2</sup>.

The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.

Old coatings and tiles have to be solid, adherent and free of layers detrimental to adhesion. Existing layer has to be cleaned and mechanically roughened. A test area has to be applied.

## Substrate Preparation

### New Concrete

Inspect the new concrete deck, ensure all areas are sound and laid in accordance with recognised and relevant standards. New concrete should be allowed a minimum of 28 days before priming. Any defective areas must be made good using an appropriate polymer modified mortar and allowed to cure for a minimum period of 72 hours before overcoating, in accordance with standard concrete repair procedures.



**Existing Concrete** Inspect the concrete, all areas are to be hammer tested, areas found to be hollow or defective must be removed and made good using an appropriate polymer modified mortar and allowed to cure for a minimum period of 72 hours before overcoating, in accordance with standard concrete repair procedures.

**Outgassing** 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.

**Vertical Concrete Surfaces** Ensure that all vertical cementitious surfaces are fair and smooth. For larger areas of imperfections use an appropriate fairing coat to fill all voids and air inclusions. Bag-rubbing may be used for localised filling of minor imperfections. For larger repairs use an appropriate polymer modified mortar. Allow to cure for a minimum period of 72 hours before overcoating, in accordance with standard concrete repair procedures.

**Note:** For the waiting times for overcoating of primers please refer to the technical datasheet of the appropriate primer. For further information please contact Sika Liquid Plastics' Technical Customer Services.

## Application Conditions / Limitations

**Substrate & ambient temperature** +2°C min. / +30°C max.  
Frozen substrates must thaw for 24 hours.

**Substrate Moisture Content** Visible damp free (maximum 18% wood moisture equivalent). < 6% pbw moisture content Test method: protimeter, < 4% CM - measurement or Oven-dry-method.  
No rising moisture according to ASTM (Polyethylene sheet).

**Relative Air Humidity** 80% r.h. max. 35% min. (below +20°C: 45% min.)

**Dew Point** Beware of condensation!  
The substrate, both during application and whilst curing, must be at least 3°C above dew point to reduce the risk of condensation or blooming on the floor finish.

## Application Instructions

**Mixing Time**

**Standard**  
Before use slightly stir the Decoquick.

**Accelerated**  
Before use slightly stir the Decoquick then add the full Decothane Accelerator unit (60ml Decothane Accelerator for 5L of Decoquick; 180ml Decothane Accelerator for 15L of Decoquick) and stir using a drill and paddle until a uniform mix has been achieved.

Over mixing must be avoided to minimise air entrapment.



**Mixing Tools:** Use a low speed drill and paddle (300 - 400 rpm) or other suitable equipment to mix the Decothane Accelerator with the Decoquick.

**Application Method / Tools:** Prior to application, check substrate moisture content, r.h. and dew point, comply with the applications detailed above.

**First and second coat**

Apply with Sika Liquid Plastics High Density Medium Pile Roller.

**Note:** All coats should be ideally rolled and laid off in one direction to achieve a good even finish.

**Cleaning of Tools:** Dispose of rollers after use.  
Brushes may be cleaned with a suitable cleaning solvent.

**Potlife:** The material in opened containers should be applied immediately as a surface film formation will happen within 1 - 2 hours.

**Note:** High temperatures and high air humidity will accelerate curing significantly.

### Curing Details

**Applied Product ready for use** **Standard**  
*Touch Dry:* after 6 hours at 20°C and 75 % RH  
*Pedestrian traffic:* after 12 hours at 20°C and 75 % RH

**Accelerated**

*Touch Dry:* after 1 hours at 20°C and 75 % RH  
*Pedestrian traffic:* after 2 hours at 20°C and 75 % RH

**Note:** Times are approximate and will be affected by changing ambient conditions.

### Notes on Application

**Limitations** Prior to overcoating with Decoquick, the priming coats must have cured tack-free.

Do not use for interior applications.

Always apply during falling temperatures. If applied during rising temperatures "pin holing" may occur from rising air. If this is not possible and the substrate seems to be outgassing the use of Quick Cure Primer will be necessary. Please refer to the Quick Cure Primer Technical Datasheet for further information.

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

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

**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.



**Product Data Sheet**

Edition 11.2011  
Identification no.  
Version no. 01

**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.

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**General Information**

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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.

**Contact Details**

For further information please contact:

Sika Liquid Plastics  
Sika House  
Miller Street  
Preston  
PR1 1EA

Enquiry Line: 01772 259781

Fax: +44 (0)1772 255670

e-mail: [liquidplastics@uk.sika.com](mailto:liquidplastics@uk.sika.com)

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# Roofing



Registered office: Sika Ltd, Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ  
Registered in England: 226822

