

**Product Data Sheet**  
 Edition 12/04/2007  
 Identification no:  
 02 07 04 03 006 0 000004  
 Sika® Cavity Drainage System  
 Sika® Plaster Drainage Membrane

# Sika® Cavity Drainage System

## Sika® Plaster Drainage Membrane

Underground waterproofing system

### Product Description

The Sika® Cavity Drainage System consists of moulded high-density polyethylene and polypropylene membranes and fixing/sealing materials used as a water diversion system in the refurbishment or new construction of domestic and commercial buildings.

The Sika® Plaster Drainage Membrane is a 5 mm high-density polyethylene cavity drainage studded membrane.

### Uses

- Internal fixing to masonry, stone or concrete walls
- Suitable for over-plastering/rendering with sand/cement or with Sika® Whitewall one coat anhydrite plaster



### Characteristics / Advantages



- Easy to cut, fix and seal
- Unique undercut stud design creates mechanical key for plaster/renderers
- The substrate remains visible through the clear membrane for precise fixing with specially profiled plugs
- Can be used for waterproofing brick vaults
- Single component, no mesh or fabric layer
- Impermeable to water, gas and water vapour
- Can be installed in conjunction with Sika® CD Channel and Pump System

### Tests

#### Approvals / Testing

BBA Certified – Certificate No: 05/4260

### Product Data

#### Appearance/Colours

- Rolled, studded membrane with undercut studs to “anchor” cement mortar renders
- Smooth translucent finish
- White
- 5mm stud height

#### Packaging

Roll Size: 2.0 mm (roll width) x 20 m length  
 Unit Weight: 0.48 kg/m<sup>2</sup>



## Storage

**Storage Conditions/Shelf-Life** Rolls should be stored under cover and protected against direct sunlight, rain water, snow and ice, etc.

## Technical Data

**Chemical Base** Soft High Density Polyethylene non-reinforced membrane

**Thickness** Approx. 0.50 mm

**Air Gap Volume** 3.2 litres/m<sup>2</sup>

**Drainage Capacity** 1.84 litres/m<sup>2</sup>

**Temperature Resistance** +160°C

## Application Instructions

### Application Method

- Suitable for installing onto concrete or masonry substrates capable of withstanding loadings exerted from the proposed wall finishes and fixing plugs.
- All existing loose renders/plasters should be removed.
- Holes should be drilled directly into the masonry (not the mortar joints) at a minimum of 13 per sq metre and held in place using Sika® CD Plaster Plugs sealed around the neck with Sika® CD rope.
- Overlaps between the strips of membrane should be sealed using Sika® CD tape.
- Apply plaster/render finish or Sika® Whitewall Plaster (see separate product data sheet).

Refer to full installation guidelines available from our Technical Department.

### 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.

### Local Restrictions

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

### 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.

### Legal Notes

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.



Sika Limited  
 Watchmead  
 Welwyn Garden City  
 Hertfordshire  
 AL7 1BQ  
 United Kingdom

Phone +44 1707 394444  
 Telefax +44 1707 329129  
[www.sika.co.uk](http://www.sika.co.uk), email: sales@uk.sika.com

