

PRODUCT DATA SHEET

Sika® Drain-1000/20

Dimpled sheet for drainage and protection

DESCRIPTION

Sika® Drain-1000/20 is a drainage board produced from high density polyethylene (HDPE) with 20 mm deep dimples.

USES

As drainage layer below rafts and foundations.

CHARACTERISTICS / ADVANTAGES

- High drainage capacity
- High mechanical resistance
- Resistant to all natural aggressive mediums in ground water and soil
- Suitable for contact with soft water (aggressive to concrete)
- Can be installed on damp and wet substrates
- Sika® Drain-1000/20 creates a space between the structural element and the substrate to allow water to be drained away
- If filled up with mortar/concrete, the board acts as a lost formwork

APPROVALS / CERTIFICATES

- 'Geotextiles and geotextile-related products - Characteristics required for use in drainage systems' according to EN 13252, Declaration of Performance Nr. 72621953 certified by notified factory production control certification body 1213 and provided with the CE marking.
- Quality Management System EN ISO 9001/ ISO 14001

PRODUCT INFORMATION

Packaging	Roll size	2.0m × 20m (40m ² total)
Shelf life	5 years from date of production if stored properly in undamaged, unopened, original sealed packaging	
Storage conditions	Rolls must be stored in their original packaging and in cool and dry conditions. They must be protected from direct sunlight, rain, snow and ice, etc.	
Appearance and colour	Brown or black HDPE sheet with dimples 20 mm deep:	



Thickness	20.0 (±2) mm	(EN ISO 9863-1)
Weight	1000 (±50) g/m ²	(EN 9864)

TECHNICAL INFORMATION

Compression resistance	150 (±40) kN/m ²	(ISO 25619-2)
Tensile strength	9 (-2) kN/m (machine and cross direction)	(EN ISO 10319)
Elongation	30 (±5) % (machine and cross direction)	(EN ISO 10319)
Ambient maximum temperature of liquids	+32 °C (water)	
Drain flow capacity	Vertical application at 20 kPa (S/R, i= 1)	10 l/(m·s) ± 20 % (EN ISO 12958)
	Air gap between dimples 14 l/m ² (approx.)	

BASIS OF PRODUCT DATA

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.

- Sika® Drain-1000/20 is not resistant against permanent exposure to weathering and sunlight.
- In combination with PVC membranes, a separation (geotextile) must be used.
- The product is not suitable for mined tunnels because of specific fire resistance regulations.

IMPORTANT CONSIDERATIONS

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Clean, sound and dry, homogeneous, free from oils and grease, dust and loose or friable particles.

APPLICATION METHOD / TOOLS

Installation method:

Loose laid and mechanically fastened in accordance with the relevant Sika® application manual and installation instructions.

LOCAL RESTRICTIONS

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

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Product Data Sheet

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