

PRODUCT DATA SHEET

Sikaplan® WP Drainage Angle

Drainage profile system in mined tunnels with umbrella type waterproofing

DESCRIPTION

Sikaplan® WP Drainage Angle is a preformed profile based on rigid polyvinylchloride (PVC-U). It is used to hold in place the gravel around the drainage pipe and to properly terminate the Sikaplan® WP/WT sheet membrane lining.

USES

The product is used as a:

- Prefabricated element for drainage of tunnels waterproofed with Sikaplan® WP sheet membranes
- Prefabricated element for drainage of tunnels waterproofed with Sikaplan® WT sheet membranes

CHARACTERISTICS / ADVANTAGES

- Efficient and quick to install
- Ready to use element for waterproofing termination
- Cost-effective system to keep filter gravel in place around drainage pipe
- Sikaplan® WP sheet membrane can be heat welded to vertical shank
- Sikaplan® WT sheet membrane can be bonded to vertical shank

PRODUCT INFORMATION

Chemical base	PVC-U
Packaging	28 pieces / pallet



Shelf life	5 years from date of production			
Storage conditions	The product must be stored in original unopened and undamaged packaging in dry conditions.			
Dimensions	Article	Length	Width	Height
	111184	~2.4 m	~37 cm	~37 cm
	402190	~2.4 m	~24.5 cm	~30.4 cm
Diameter	Maximum size of the drainage pipe - 250 mm			
Weight	Article	Weight		
	111184	~4.5 kg/m		
	402190	~4.0 kg/m		

SYSTEM INFORMATION

System structure	<p>SYSTEM STRUCTURE / ANCILLARY PRODUCTS:</p> <ul style="list-style-type: none"> ▪ Sika® FlexoDrain ▪ Sikaplan® Geotextiles ▪ Sika® Drains ▪ Sika® W Tundrains ▪ Sikaplan® WP waterproofing membranes ▪ Sikaplan® WT waterproofing membranes ▪ Sikaplan® WP Protection Sheets ▪ Sikaplan® WT Protection Sheets
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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.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other

safety-related data.

APPLICATION INSTRUCTIONS

APPLICATION

IMPORTANT

Application by trained personnel

The application of this product must only be carried out by Sika® trained and/or approved contractors, experienced in this type of application.

1. Do not separate the two parts of the Sikaplan® WP Drainage Angle.
2. Sikaplan® WP Drainage Angle shall be placed and fixed by nails onto the blinding concrete.
3. Install the drainage pipe.
4. The jointing of the drainage angles can either be done with tape or with membrane strips.
5. Backfill Sikaplan® WP Drainage Angle. Suggestion: graded 16–32 mm loose gravel, washed, no under-sized particles, and no limestone or dolomite.
6. Attach the waterproofing membrane to the drainage angle by means of hot air welding in case of PVC waterproofing membranes. For FPO membranes, overlap sufficiently.

SUBSTRATE QUALITY

Flat, clean blinding concrete.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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 India Pvt. Ltd.

620, Diamond Harbour Road
Commercial Complex II
Kolkata - 700 034
West Bengal, India

Contact:

Phone: +91 33 2447 2448
Fax: +91 33 2397 8688
info.india@in.sika.com
www.sika.in



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Sikaplan® WP Drainage Angle
May 2022, Version 02.01
020720804000000047

SikaplanWPDrainageAngle-en-IN-(05-2022)-2-1.pdf