



PRODUCT DATA SHEET

Sikaplan® W Tundrain Type C

Drainage and protection layer for FPO waterproofing membranes

PRODUCT DESCRIPTION

Sikaplan® W Tundrain Type C is a drainage and protection layer, based on linear low-density polyethylene (LLDPE).

WHERE TO USE

As drainage and protection layer in combination with Sikaplan® WT (FPO) waterproofing membrane systems, designed for application in mined tunnels. In addition, it can be used as intermediate layer in leakage water discharge systems.

CHARACTERISTICS / ADVANTAGES

- High drainage capacity
- Combined drainage and protection in one layer
- High flexibility
- Easy to install and adapts well to the substrate profile
- Resistant to all natural aggressive mediums in ground water and soil
- Suitable for direct contact with soft water (aggressive to concrete)

APPROVALS / CERTIFICATES

CE Marking and Declaration of Performance to EN 13252 — Geotextiles and geotextile-related products — Characteristics required for use in drainage systems

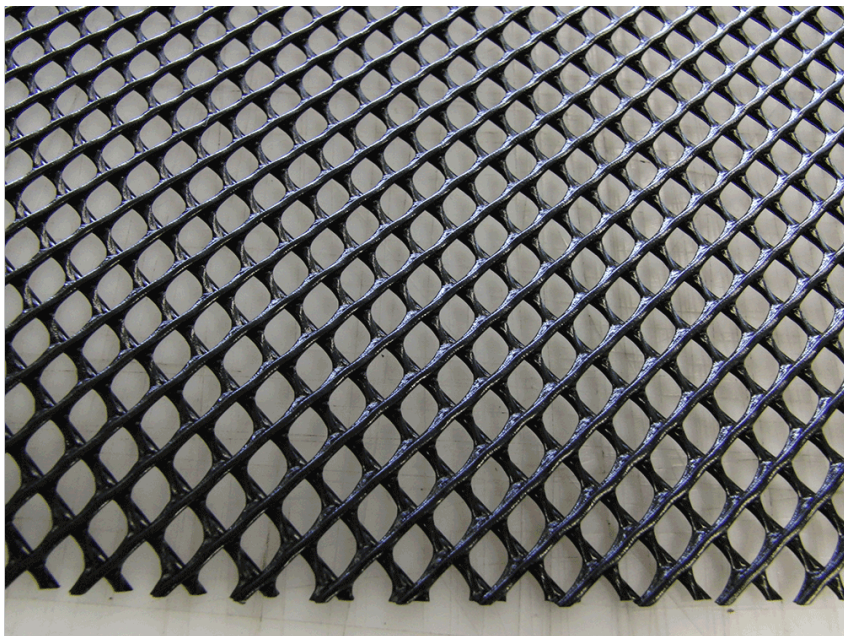
PRODUCT INFORMATION

Packaging Roll size 1,90 m (width) × 55 m (length)
Other dimensions available upon request

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 / Colour Black mesh (net)



Thickness 5.0 mm ± 1 mm (EN ISO 9863-1)

Mass per unit area 785 g/m² ± 105 g/m² (EN ISO 9864)

SYSTEMS

System Structure Ancillary products:
▪ Sikaplan® WT 2200-types
▪ Sikaplan® W Felt PP
▪ Sikaplan® WT Protection sheet-types

TECHNICAL INFORMATION

Tensile Strength
Longitudinal (MD) 3.8 kN/m +0/-1 kN/m (EN ISO 10319)
Transversal (CMD) 3.0 kN/m +0/-1 kN/m

Elongation
Longitudinal (MD) 90 % ± 65 % (EN ISO 10319)
Transversal (CMD) 100 % ± 85 %

Ambient Maximum Temperature of Liquids +32 °C (water)

Drain Flow CapacityVertical application at
20 kPa,
R/R, i=1

1.35 l/(m·s) ± 0.3 l/(m·s)

(EN ISO 12958)

Vertical application at
200 kPa,
R/R, i=1

0.85 l/(m·s) ± 0.2 l/(m·s)





BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

LIMITATIONS

- The mesh is designed for the usage in combination with FPO membranes. If used as drainage layer for PVC membranes, a separation layer (geotextile) must be installed in between.
- Installation works must only be carried out by suitably experienced Sika® trained contractors.
- Sikaplan® W Tundrain Type C is not UV stabilized and cannot be installed on structures permanently exposed to sunlight and weathering.

ENVIRONMENT, HEALTH & SAFETY

HAZARDOUS PRODUCT ACT - SECTION 2

This product is a manufactured article that does not require Safety Data Sheets to be marketed, transported or applied at the jobsite, according to the Hazardous Product Act - Section 2. Based on our current knowledge, this product is not classified as dangerous and does not contain any hazardous materials. Always wear personal protective equipment (including safety goggles and gloves) to manipulate and install Sika® products.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The substrate conditions are as defined for the waterproofing membrane system that is to be protected with Sikaplan® W Tundrain Type C.

APPLICATION METHOD / TOOLS

The application method is as defined for the waterproofing membrane system that is to be protected with Sikaplan® W Tundrain Type C.

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.

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 recommendations, or from any other advice offered.

The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

Product Data Sheet for exact product data and uses.

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