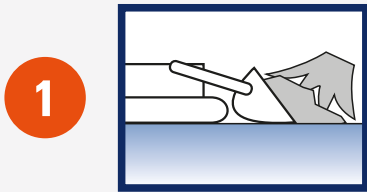


TS – Separation & Filtration Nonwovens

Installation Guidelines

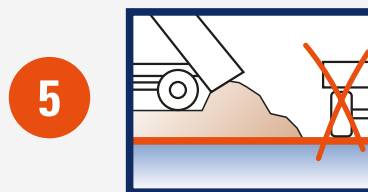


TenCate Polyfelt® TS



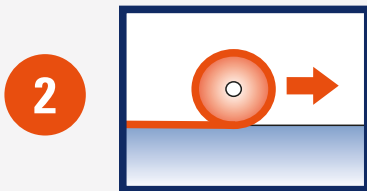
1

Prepare the subgrade



5

Place sub-base material



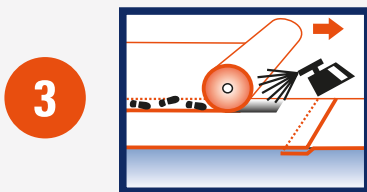
2

Roll out the geotextile



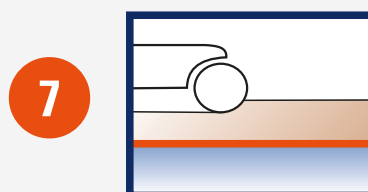
6

Spread sub-base material



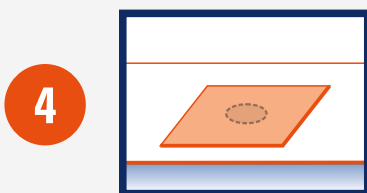
3

Overlapping or welding



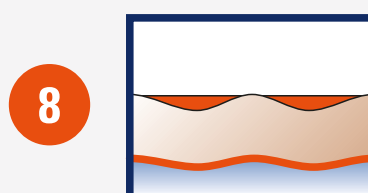
7

Compaction



4

Repair of damages (if reqd.)



8

Fill in ruts (if necessary)

Details see overleaf

TS – Installation Guidelines

1. Subgrade preparation

Level the subgrade to remove ruts, potholes etc. with a depth greater than 100 mm.

2. Laying the geotextile

Roll out the geotextile over the prepared subgrade.

3. Jointing of geotextile layers

Jointing is made by overlapping of rolls by at least 300 mm. Increase the overlap to at least 500 mm if the subgrade is very uneven or soft.

A geotextile weight > 200 g/m² allows welding. Welding of the laps is preferable over very low bearing-capacity subgrades. The geotextile is overlapped 100–200 mm and heated with a propane burner or a blowlamp to soften the fibres and allow them to fuse when pressed together. Care should be taken not to overheat the geotextile. It is sufficient for the person unrolling the overlapping layer to walk over the heated lap to weld the two sheets together. If the geotextile is damp and welding difficult, the overlap dimension should be increased to 500 mm.

4. Repair of damages (if necessary)

In the case of damages occurring during installation, these have to be covered with a piece of nonwoven of the same quality. Such patches can be cut to size with a knife or with scissors.

The cover must protrude by a minimum of 500 mm over the edge of the damaged spot. The patches must be fixed in their position with fill material, or by welding.

5. Placing of the sub-base material

Trucks should not be driven directly over the geotextile; the aggregate should be back dumped. The required depth of the fill material depends in the bearing capacity of the subsoil but should not be less than 400 mm for low bearing-capacity soils.

6. Spreading

Spreading should be carried out with tracked plant (due to lower pressure soil contact-pressure).

7. Compaction

Compaction is best done using a vibrating plate or vibro roller. Adequate compaction has been achieved when loaded trucks driving on the sub-base do not cause ruts more than 30 mm deep. If deeper ruts occur even after good compaction, the thickness of the sub-base layer must be increased.

8. Rut repair (if necessary)

If rutting occurs after a period of use, re-grade the sub-base layer by filling these ruts with fresh aggregate. Do not simply level out with a grader.

The information given in this brochure is to the best of our knowledge true and correct, however new research results and practical experience can make revisions necessary. No guarantee or liability can be drawn from the information mentioned herein. Furthermore, it is not our intention to violate any patents or licences.

TENCATE GEOSYNTHETICS AUSTRIA GMBH

Schachermayerstr. 18 Tel. +43 732 6983 0, Fax +43 732 6983 5353
A-4021 Linz, Austria service.at@tencate.com, www.tencategeosynthetics.com

BeNeLux Tel. +31 546 544 811 service.nl@tencate.com
Central Eastern Europe Tel. +43 732 6983 0 service.at@tencate.com
Czech Republic Tel. +420 2 2425 1843 service.cz@tencate.com
France | Africa Fax +33 1 34 23 53 48 service.fr@tencate.com
Germany Tel. +49 30 3435 02 10 service.de@tencate.com
Italy Tel. +39 0362 34 58 11 service.it@tencate.com
Near Middle East Tel. +971 4810 3295 service.nme@tencate.com

Poland
Russia | CIS
Scandinavia | Baltics
Spain | Portugal
Turkey
UK | Ireland

Tel. +48 12 268 8375 service.pl@tencate.com
Tel. +43 732 6983 0 service.ru@tencate.com
Tel. +31 546 544 811 geonordic@tencate.com
Tel. +34 607 499 962 service.es@tencate.com
Tel. +43 732 6983 0 service.tr@tencate.com
Tel. +44 1952 588 066 service.uk@tencate.com



TenCate Geosynthetics Austria Gesm.b.H, TenCate Geosynthetics France S.A.S and TenCate Geosynthetics Netherlands b.v. are certified for the design, manufacturing and sales of geotextile and geotextile related products.