Status: 7/21/2026

# Terasit Lotus

## Fiber protection and impregnation

### Properties

- aqueous, fluorine-reduced fabric protection finish
- water-, oil- and dirt-repellent
- finished textiles remain breathable
- effective even at low condensation temperatures

### Application

1. dip-roll process

For garment textiles, application is carried out using the dip-roll process in the last rinse bath after the liquor level has been reached and the drum has started moving.
Before impregnation, the cleaned textiles must be thoroughly rinsed to remove all detergent and alkali residues, as even small amounts of detergent can lead to a deterioration in the effect. The finishing bath should have a pH value of 5 - 6. It may be necessary to add acetic acid or formic acid. The required quantity of Terasit Lotus is added to the finishing bath. The fabric is treated, briefly spun and dried; in the case of membrane textiles, spin at several intervals.
The quantities required must be adapted to the respective conditions. A finishing time of 15 minutes is recommended to achieve the best possible impregnation effect.
Drying should take place at full heating capacity. A drying temperature of 80 °C at the drum outlet for at least 7 minutes is required to fully develop the impregnation effect (observe the care label).

2. Machine spraying

Terasit Lotus can also be sprayed on large-area textiles.
Modern, professional washing machines can be equipped with a spraying device for finishes. In this case, it is possible to spray Terasit Lotus onto the washed, spin-dried fabric in a cost-effective and wastewater-friendly manner.
After spraying, the fabric is rolled for a further 3 - 5 minutes.
Spraying outside the machine is not permitted.

Drying depends on the temperature resistance of the treated items. These are dried in a tumble dryer or hanging at room temperature (like leather items). A clear impregnation effect is already achieved at a drying temperature of 30 °C. Higher temperatures are required to fully develop the impregnation effect.

Quality requirements (depending on material and process)

The procedures described can be used to meet the requirements in accordance with or based on
DIN EN 24920 (water-repellent properties (spray test))
DIN EN ISO 14419 (oil-repellent finish)
DIN EN 469 (resistance to penetration by liquid chemicals)
EN ISO 15025 (influence of impregnation on flame spread)
DIN EN ISO 811:2018-08 (resistance to penetration by water).

Please note that a dosing quantity of 40 ml/L Terasit Lotus is always required.

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## Dosing

| Clothing equipment (fire brigade, outdoor, ...) | |
|---|---|
| Concentration | 25 - 30 ml / l liquor |
| Temperature | 30 - 40 °C |
| Exposure time | 10 - 15 min. |
| Addition | liquor ratio 1:3 to 1:4 |

| Equipment tarpaulins / tents | |
|---|---|
| Concentration | 40 ml / l liquor |
| Temperature | 30 - 40 °C |
| Exposure time | 10 - 15 min. |
| Addition | Liquor ratio 1:4 |

## Technical data

| Density (20°C) | pH-value |
|---|---|
| 1,00 kg / l | 3,5 |

## Notes

Store the product in its original container.
Storage should be frost-proof, although the solidified products can be used again after thawing without loss of quality.



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