

Terasit AP

Wet impregnation based on hydrocarbon polymers

Properties:

- air-permeable impregnation of fibres
- soft, supple feel
- does not need thermal fixing
- also suited for the application on tents, tarpaulins and thick fabrics
- can be applied by the bath method and also by using a spray gun, a brush, a sponge or a roll
- free from organic halogen combinations including fluorocarbon combinations
- excellent abrasion resistance

Application:

The finish with **Terasit AP** is applied in a single bath. The washed textiles must be free from all traces of detergent and alkalis by careful rinsing before they become impregnated, as even little quantities of surfactants or detergents can lead to a decrease in effectiveness. It is expedient to add approx. 1 ml/l (0.13 fl oz/gal) acetic acid 60% to the final rinsing bath in order to ensure that the textiles do not contain any residues of alkali.

Terasit AP is diluted with 1:3 - 1:5 with water of 30 - 50 °C (86 - 122 °F) under stirring. In doing so, high shear forces should be avoided, as the emulsion can be damaged irreversibly. This stock solution is then stirred into the treatment liquor. Adjust the treatment bath to a weakly acid pH value of 4 - 5 with acetic or formic acid.

For the impregnation of garments 30 - 40 ml/l (3.9 - 5.1 fl oz/gal) are needed. The liquor temperature can be raised to 50 °C (122 °F) for materials which are difficult to wet; the normal temperature is between 20 - 40 °C (68 - 104 °F). The textiles are treated in the impregnating liquor for approx. 20 - 30 minutes, centrifuge them briefly, dry them and press as usual (Iron temperature setting approx. 150 °C/302 °F).

Large-sized fabric items (tents and tarpaulins) can be impregnated by applying at 40 - 60 ml/l (5.1 - 7.6 fl oz/gal) **Terasit AP** solution with a spray gun, a brush, a sponge or a roll. If you work on finishing baths, for topping up the liquor level a topping-up additive in the initial concentration is necessary (30 - 40 ml/l resp. 3.9 - 5.1 fl oz/gal).

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Technical Data:

Density 20 °C (68 °F)	0.99 g/ml
pH-value (conc.)	3.5 - 4.5

Hints:

Storage

The product is sensitive to frost and heat and should not be stored at temperatures below 0 °C (32 °F) resp. over 40 °C (104 °F). Irreparable damages are possible. The product can be stored for at least 12 months in its original sealed packing.

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