

Product Data Sheet

NewPro permaSeal NA 505 TEX

Nano Textile Impregnation on PES and synthetically fibers

Application fields

Textile impregnation to achieve water-, oil and soil repellant properties

Properties of NewPro permaSeal NA TEX 505

- the finish with NewPro permaSeal NA TEX 505 creates a permanent, transparent, ultrathin layer on textiles which makes the fabric resistant against water, oil and soil.
- NewPro permaSeal NA TEX 505 is mainly used on PES and synthetically fibers.
- NewPro permaSeal NA TEX 505 is a concentrated product; already with very low using amounts there can be achieved very good water, oil and soil repellant effects.

Chemical characteristic

Fluorine containing polymers with special additives

Technical datas

Form of delivery:	aqueous white liquid
Ionicity:	cationic
Specific gravity:	approx. 1.0
Viscosity:	approx. 1.0 – 2,0 mPas at 20 °C
Shelf life:	1 year in original packaged drums, in case of exceeding the shelf life the quality must be check again. Protect against frost, heat and moisture.

Application

Pretreatment of the substrate

The material has to be dry and free of textile auxiliaries like lubricants or finishes.

Application procedures

NewPro permaSeal NA TEX 505 was exclusively developed for Foulard application.

In case of other methods like exhaust or spray application the performance of NewPro permaSeal NA TEX 505 had to be tested by preliminary trials.

Using amount

The optimum using amount is

40 – 80 g/l NewPro permaSeal NA TEX 505

and has to be adjusted to the specific substrate by preliminary tests.

Application parameters

pH-value of the application liquor:

4 – 5 (if necessary adjusting with 0,5 – 1,0 ml/l acetic acid 60%)

Pick up: 100 - 120 %

Drying: 100 – 130 °C

Fixing: 150 °C, 1 – 2 min

Evidence of effectivity

The effectivity of **NewPro permaSeal NA TEX 505** can immediately be evaluated by the „drop test“. For this water is dropped onto the finished material. In case of proper application of

NewPro permaSeal NA TEX 505 no aqueous layer is created on the fabric and water collects into drops. When the water drops do not roll off from the fabric it might be possible that the fixing procedure has not been finished completely and it had to be post fixed.

Read carefully:

The information on this data sheet is based on the current status of technical development as well as our experience with the product. However, given the variety of surfaces and ambient conditions, the information provided on this data sheet shall in no way diminish the responsibility of the user to ensure with due care, that our product is suited for the intended purpose, surface and application conditions.

Since application and processing lie outside our purview, no manufacturer liability shall be derived from the information provided herein. Our General Terms and Conditions of business shall apply in all cases.

All information is subject to change without notice.