



Product Information Sheet

Nanoflex®F Bond

Specification	
Chemical basis:	modified silicon dioxide / C6 fluorocarbon
Layer thickness:	approx. 300 - 1000 nm
Water resistance:	AATCC 22 / 100, ISO 4920 / 5
Oil resistance:	ISO 14419 / 8-6 (depending on substrate)
Slip angle:	not specified
Temperature stability:	220°C
Chemical stability:	good LTD effects after chemical cleaning
Weather resistance:	up to 3500h in accordance with ISO 11507 A
Wash resistance:	25 - 100 washes LTD accordance with (AATCC) Test Method 135, ECE formulation washing powder, non-phosphate reference
Transparency:	100%
Storage stability:	1 year
Temperature sensitivity:	1°C to 40°C



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Consumption: 50 - 80% pick-up (ready mix)

Formula: To achieve an outstanding, permanent stain guard against oil/grease and water-based contaminants e.g. on CO and synthetic blends, the following are recommended:

- 20 - 30 gr/L Nanoflex® F-Bond
- 10 gr/L Nanoflex® TH4
- 8 gr/L Nanoflex® W11
- 10 gr/L Nanoflex® WA
- 0.5 gr/L acetic acid (60%)

Water absorption 50 - 80%

Drying under standard operating conditions, recommended: 100 - 130°C for 2 min

Subsequent curing: 170 - 185°C for 1 - 1.5 min.

For treating white or temperature-sensitive (<150°C) materials, we recommend using the alternative product WX instead of W11.

Materials must be free of anionic, surfactant residues. Silicones and surfactants impair performance and adhesion. We would be happy to offer technical support for pre-cleaning, please call 01691 654 282.

The product is based on non-flammable chemicals, which are non-hazardous according to ADR and IATA. Please observe the respective safety data sheet when using individual components.

