

VISCOPOL™ 43450 is a hard cross-linked pure acrylic emulsion.

SOLVENT

Water

TYPICAL PROPERTIES

Appearance: White opaque liquid

Non-volatile content: 50 %

DIN EN ISO 3251

Dynamic Viscosity (Brookfield) DIN EN ISO 2555: 200 mPa.s

DIN EN ISO 2555, ASTM D 2196

(2; 30 1/min; 25 °C)

pH (20 - 25 °C): 7.5

STM 007A

Density (at 25°C): 1.05 kg/dm³

DIN 53217

Glass transition point: 34 °C

STM 004F

Particle size: 150 nm

STM 016A

Residual Monomer VLN 009: <0.05 %

VLN 009, DIN 51405, DIN 55682, DIN 55683, VLN 198, VLN 185

TECHNICAL FEATURES

VISCOPOL™ 43450 is a hard self-crosslinking pure acrylic emulsion that exhibits excellent compound stability, good water resistance and imparts a high level of stiffness to fabrics.

APPLICATION

VISCOPOL™ 43450 is compatible with most soft VALBOND™ acrylic textile emulsions and its high solids content at 50%, allows for a wide formulating latitude when compounding to achieve varying handle outcomes. This acrylic binder has been developed primarily for use in textile applications and is suitable for use in the manufacture of non-woven fabrics and interlinings, vertical blinds and non-woven wadding.

VISCOPOL™ 43450 may also be used in foam back coating and for applications requiring a softer hand, VISCOPOL™ 43450 can be blended with allnex's range of soft to medium hand acrylic textile grades such as Valbond® 8020 or VALBOND™ 8141.

VISCOPOL™ 43450 also has excellent yellowing resistance when subjected to standard oven curing conditions and is wash & dry clean resistant.

STORAGE

VISCOPOL™ 43450 should be stored under cover, out of direct sunlight and avoiding extreme temperature changes. Under normal storage conditions (5 – 35°C, away from extremes) sealed, unopened containers of this material would have a shelf life of 12 months from the date of manufacture. If stored for longer than 12 months, product must be rechecked for suitability in the intended application.

SAFETY

Refer to Safety Data Sheet before handling or use.