

VALBOND™ 8020 is a very soft self-crosslinking acrylic binder

### SOLVENT COMPOSITION

Water

### TYPICAL PROPERTIES

**Appearance:** White opaque liquid

STM 017A

**Non-volatile content:** 50 %

DIN EN ISO 3251

**Dynamic Viscosity (Brookfield) DIN EN ISO 2555:** 150 mPa.s

DIN EN ISO 2555, ASTM D 2196

(2; 60 1/min; 25 °C)

**pH (20 - 25 °C):** 5.5

STM 007A

**Density (at 25°C):** 1.05 kg/dm<sup>3</sup>

DIN 53217

**Glass transition point:** -8 °C

STM 004F

**Particle size:** 200 nm

STM 016A

**Residual Monomer VLN 009:** < 0.05 %

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

### DRY CLEANING

No discernible damage to coatings occurs when dry cleaned three times according to both AATCC Test Method 86 and ASTM D4720 - 08(2013) using Perchloroethylene at less than 30°C and a cool tumble-drying cycle.

### TECHNICAL FEATURES

VALBOND™ 8020 is a very soft cross-linking polymer recommended for use in specialised high-end textile applications, where a soft hand and wash and dry-clean resistance is required.

### APPLICATION

VALBOND™ 8020 is suitable for flocked and non-flocked textile coatings, pigment printing, non-wovens, and hand modification of textile coating finishes. It is highly recommended for crushed acrylic foam backing and liners. It has excellent pigment binding properties and is easy to formulate. VALBOND™ 8020 is durable to dry cleaning and washing when cured for appropriate times at temperatures of 150 – 180°C without the need for addition of Formaldehyde generating cross link resins to achieve wash and dry-clean resistance. It provides a very soft fabric handle. It provides excellent “runability” on foam coating lines.

VALBOND™ 8020 is suitable for:

- Direct coating applications
- Foam coating applications when correctly formulated
- Pigment printing
- Binding non-woven fabrics
- Adjusting handle of coated fabrics

### HOT & COLD WASHING

No discernible damage to coatings occurs when washed five times according to AS 2001.5.4 using procedure 6B. Permits the maintenance of a very soft fabric handle because the incorporation of melamine-formaldehyde resins in the coating formulation is not required. This has the added benefit of eliminating this source of Formaldehyde generation on cure and reduces formulated compound cost. VALBOND™ 8020 also offers stable compound viscosity.

### STORAGE

Storage should be 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 it is stored for longer than 12 months, it is recommended that the product is rechecked for suitability in the intended application.

### SAFETY

Refer to Safety Data Sheet before handling or use.