

POLYURETHANE SELF LEVELLING SCREED

1. **GENERIC TYPE:** 100% Solids (Solvent Free), Two Component Polyurethane
2. **USAGE:** Self-Levelling Screed for Concrete Flooring.
3. **COMPOSITION:**

Resin	Modified Polyol Additives	Activator	Modified Polymeric Isocyanate Additives
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4. **SPECIFICATION:**

Mixing Ratio Thinning Ratio Colour Specific Gravity (25°C) Viscosity (25°C) Touch Dry (30°C) Tack Free (30°C)	Resin / Activator = 1.50 / 1.0 (Weight) Do Not Thin. Resin: Light Grey, Activator: Brown, Mixed Light Grey 1.14 (Resin 1.09 +/- 0.04, Activator 1.23 +/- 0.03) Resin 3000 Cps +/- 400 Activator 275 Cps +/- 75 40-50 Minutes depending upon surface temp, DFT 60-120 Minutes depending upon surface temp, DFT
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5. **APPLICATION STANDARD:**

Surface Preparation: Conditions: Quartz Filler: Application Method: Pot Life, Trowel: Film Thickness: Theoretical Coverage: All 3 Components Mix Overcoat Interval:	Primer must be touch dry prior to application of screed. Ensure primed surface temperature exceeds dew point by 5°C. Temperature 5 - 50°C Add Amshield SW-01 Quartz @ 1.50 Kgs/ Kg of combined Resin and Activator. Notched Trowel. 20-30 minutes approx. after mixing 1000 – 3000 Microns WFT depending on concrete surface 1 m ² @ 1.00 mm DFT = 1.00 Litre or 1 m ² @ 1.00 mm DFT = 1.73 Kgs. Screed must be touch dry (1-2 hours, depending upon temperature) but not fully cured (24-48 hours, depending upon temperature). Roughen surface with grinder if exceeds 48 hours.
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6. **PRECAUTIONS:**

Use full sets of pre-measured Resin and Activator. Do not expose open unmixed drums to atmospheric moisture.

Final Screed Mix (after incorporation of Quartz)
7. **TYPICAL PROPERTIES:**

Tensile Strength > 20 N/mm²
 Elongation @ Break > 30%
 Hardness > 85 Shore D