

SYNTRAN® 1657

Technical Bulletin

SYNTRAN® 1657 is based on a proprietary self-crosslinking technology. This technology combines two different crosslinking mechanisms on the same polymer backbone, which substantially increase the chemical resistance, stain resistance and water resistance of the cured polymer film. This technology was designed for the self-crosslinking mechanism to fully cure at room temperature, but maintain standard long-term shelf stability.

Performances

Applications	Concrete sealers Label, board and packaging coatings (OPV)
Features and Benefits	Excellent household stain resistances Excellent hot tire & Betadine resistance Excellent water submersion resistance Film has very high gloss, hardness with good printability Low VOC requirements to formulate coating

Typical Chemical and Physical Properties (all testing done at 22°C, unless specified)

Physical form	White emulsion
Solids content	42 ± 1.0%
pH value	7.5 ± 1.0
Viscosity	< 500 cps
Density	1.050 ± 0.005
MFFT	55 ± 3°C
Freeze-thaw stability	Protect from freezing
Stability at 52°C	Unchanged after 30 days

Safety, Storage, Handling

Please refer to Material Safety Data Sheet.
Shelf life: 12 months from shipping date in originally sealed containers.
Storage: between 5°C and 35°C.

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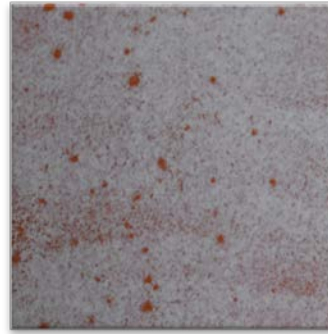
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Water Submersion Test *(Photos show results of coated red quarry tiles after 7 days submersion)*

Formulation based on Syntran 1657



Formulation based on standard acrylic

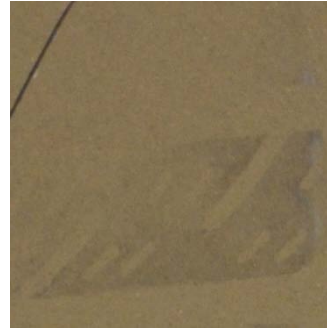


Hot Tire Resistance Test *(Photos show results of 60°C tire strip pressed on surface at 1000 psi for 15 mins)*

Formulation based on Syntran 1657



Formulation based on standard acrylic



Betadine Spot Test *(Photos show results of coated floor tiles after 60 mins)*

Formulation based on Syntran 1657



Formulation based on standard acrylic

