

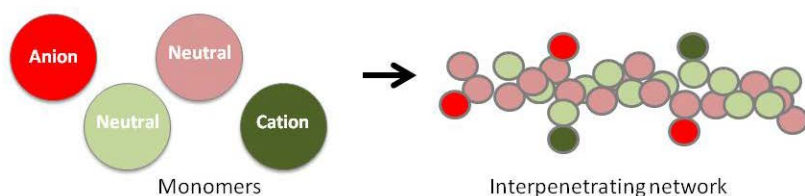
SYNTRAN® 6145

Technical Bulletin

SYNTRAN® 6145 is based on a patented bimodal technology with film-forming properties. This technology combining two different ionic structures in the same polymer network increases the adhesion to multiple substrates, wood tannin blocking, stain blocking and dye blocking. This technology allows a formulator to take advantage of the good aspects of a cationic acrylic without the traditional compatibility issues.

The diagram below demonstrates the complex anionic-cationic network that is formed during our patented process:

Bimodal Network



Performances

Applications

Stain & Tannin blocking coatings

Features and Benefits

Excellent tannin, stain and dye blocking
Excellent adhesion to multiple substrates
High compatibility with other resins & additives
Zero VOC requirements to formulate coating

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

Physical form	White emulsion
Solids content	40 ± 1.0%
pH value	7.0 ± 1.0
Viscosity	< 200 cps
Density	1.030 ± 0.005
MFFT	< 10°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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Tannin Migration Test - Clear Sealer *(Photos show results of sealed, then white painted oak panels after 12 Month)*

Syntran 6145 based Sealer

No Sealer



Tannin Blocking Clear Sealer F74-031-04 @28%nv

Ingredient	% wt
Water	27.0
Propylene glycol	1.0
Defoamer	0.1
SYNTRAN® 6145	71.9
Total	100.0

Tannin Migration Test - White Primer *(Photos show results of just painted oak panels after 12 Month)*

Syntran 6145 based Primer

Standard Acrylic Primer



Tannin Blocking White Primer F74-030-09 @45%nv

Grind	% wt
Titanium Dioxide Slurry	28.14
SYNTRAN® 1511	0.66
Wetting agent	0.10
Defoamer	0.03
Letdown	
Water	7.61
SYNTRAN® 6145	62.00
Propylene glycol	0.66
Wetting agent	0.10
Defoamer	0.03
Rheology modifier	0.66
Total	100.0