

SETAL[®] 142 XX-60**Technical features**

An air-drying short oil alkyd resin based on soyabean oil fatty acids.

Very fast drying, good elasticity and yellowing resistance (also at elevated temperature), good adhesion on steel.

Application

Fast drying industrial topcoats. Fast drying corrosion resistant primers. General purpose stoving enamels.

Composition (on non-volatiles)

Alcohol type	Trimethylol propane
Oil content	30 %
Oil type	Soyabean oil fatty acids
Phthalic anhydride content	33 %

Solvent composition Xylene**Specifications**

Property	Value	Unit	Method STM*	ISO
Acid value (as such)	4.7 – 7.4	mg KOH/g	303A	3682
Appearance	clear, free of extraneous matter		017A	
Colour GARDNER (Lico)	max. 5.0	Gardner	008E	4630
Non-Volatiles	59 – 61	%	001G	3251
Viscosity (23 °C at 100 s ⁻¹)	2.7 – 4.7	Pa.s	012J	3219

*STM: allnex method of determination (available on request)

Typical properties (not to be used as sales specifications)

Density	1.02	kg/dm ³	DIN 53217
Flash point	26	°C	ISO 1523

Remarks:

STM 001G: spreading agent, xylene.

Storage conditions:

No specific conditions required.

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Dilutability

Aliphatics	white spirit	partly dilutable
Aromatics	xylene	dilutable
Esters	ethyl acetate	partly dilutable
	butyl acetate	partly dilutable
Ketones	acetone	partly dilutable
Alcohols	ethanol	not dilutable
	butanol	partly dilutable

Compatibility

% SETAL 142 XX-60	90	75	50	25	10	
% of other material	10	25	50	75	90	Supplier
Alkyd resin						
Setal 84 XX-70	+	+	+	+	+	
Setal 118 XX-60	+	+	+	+	+	
Setal 209 XX-60	+	+	+	+	+	
Saturated polyesters						
Setal 173 VS-60	-	-	-	-	-	
Urea resins						
Setamine US-8 BX-50	+	+	+			
Setamine US-11 BX-68	+	+	+			
Melamine resins						
Setamine US-132 BB-71	+	+	+			
Setamine US-134 BB-57	+	+	+			
Setamine US-136 BB-57	+	+	+			
Setamine US-138 BB-70	+	+	+			
Other materials						
Ucar vinyl resin VAGH	+	+	+			Union Carbide
Ucar vinyl resin VYLH	-	-	-			Union Carbide
Epikote 1001	-	-	-			Shell

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Nitrocellulose ½ s				Hagedorn AG
Laroflex MP 25	+	+	+	BASF AG
Laroflex MP 35	+	+	+	BASF AG
Laroflex MP 45	+	+	+	BASF AG
Mowital B 30 H	-	-	-	Hoechst AG
Pergut S 20	+	+	+	Bayer AG

Remark

Suitable mixing proportions (calculated on Non-volatiles) are marked '+'. Combinations in the proportions marked '-' are not recommended.