



SYNTHALAT SF 690

(technical data sheet)

Characteristics

Long-oil alkyd resin

Composition

appr. 68 % mixture of special veg. fatty acids (triglyceride)

Supplied as

SYNTHALAT SF 690 is available in different forms:

A) 75 % in white spirit „K 30“

B) 75 % in low-aromatic white spirit „D 60“

Details and data of these variations can be found on the following pages.

Use

High grade decorative paints for indoors and outdoors; very good brushability; very little dark yellowing.

Solubility

Petroleum spirit 100/140	+	Ethyl acetate	+
White spirit	+	Butyl acetate	+
Turpentine oil	+	Methyl glycol acetate	+
Toluene	+	Ethyl glycol acetate	+
Xylene	+	Ethyl glycol	+
Solvent naphtha	+	Butyl glycol	+
Trichloroethylene	+	Ethanol	-
Methyl ethyl ketone	+	Butanol	o
Methyl isobutyl ketone	+	Diacetone alcohol	o

+	=	dilutable
x	=	largely dilutable
o	=	limited dilutability
-	=	very limited or no dilutability

Compatibility

Linseed oil	+	Alkyl/terpene phenolic resins	+
Linseed oil-stand oil 30 P	+	Ketone resins	o
Linseed oil-stand oil 90 P	o	Unplast. urea resins	-
Short-oil non-drying alkyds	-	Unplast. melamine resins	-
Short-oil drying alkyds	-	Chlorinated vinyl polymers	-
Medium-oil drying alkyds	+	Chlorinated rubber	-
Long-oil drying alkyds	+	Cyclorubber	o
Epoxy esters	-	Ester-soluble nitrocellulose	-
Maleic resins	+	Basic pigments	+
Phenolic-mod. colophony (rosin)	+		

+	=	compatible
x	=	largely compatible
o	=	limited compatibility
-	=	very limited or no compatibility

Processing and Performance

As a particularly long-oil and low viscous alkyd resins, Synthalat SF 690 is used primarily for high-grade decorative paints. The composition of the fatty acid components has been adjusted to give optimum drying characteristics, brushability and color fastness.

For drying, we recommend the use of dryer combinations (Co, Zr, Ba), e.g. Octa-Soligen 173.



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Supplied as **75 % in white spirit („K 30“)**

Properties	<u>Non-volatile content (nvc)</u> (as supplied)	75 +/- 1 %
	<u>Flow time (from DIN cup, 4 mm, 20 °C)</u> (diluted to 50 % with „K 30“)	20 - 25 sec
	<u>Acid value (in mg KOH / g)</u> (relative to nvc)	max. 10
	<u>Colour value (iodine)</u> (diluted to 50 % with „K 30“)	max. 10

Supplied as **75 % in low-aromatic white spirit („D 60“)**

(due to production-related reasons, the product also contains approx. 2.5 % xylene)

Properties	<u>Non-volatile content (nvc)</u> (as supplied)	75 +/- 1 %
	<u>Flow time (from DIN cup, 4 mm, 20 °C)</u> (diluted to 50 % with „D 60“)	22 - 30 sec
	<u>Acid value (in mg KOH / g)</u> (relative to nvc)	max. 10
	<u>Colour value (iodine)</u> (diluted to 50 % with „D 60“)	max. 10