

TYPE

Medium-oil, air-drying alkyl resin based on drying vegetable fatty acids

USES

In the formulation of high-quality, air and force-drying industrial coatings, radiator paints, special effect finishes, primers and DIY paints.

FORM SUPPLIED

Approx. 55 % in white spirit/xylene, 38 : 7

SPECIFICATION

Non-volatile content (2 g, 1 h, 125 °C):	55 ± 1 %
DIN EN ISO 3251	
Viscosity (23 °C):	5400 ± 700 mPa·s
DIN EN ISO 3219/A.3	
Acid value, supply form:	4 ± 1.5 mg KOH/g
DIN EN ISO 2114	
Iodine color value:	≤ 5
DIN EN 1557	

OTHER DATA*

Oil content, triglyceride, solvent-free:	approx. 48 %
DIN ISO 6744-4	
Phthalic anhydride, solvent-free:	approx. 26 %
DIN ISO 6744-2	
Hydroxyl content, supply form:	approx. 0.7 %
DIN 53 240-2	
Density (20 °C, solvent-free):	approx. 1.13 g/cm³
DIN EN ISO 2811-1	
Density (20 °C):	approx. 0.94 g/cm³
DIN EN ISO 2811-2	
Flash point:	approx. 29 °C
DIN EN ISO 1523	

* These values provide general information and are not part of the product specification.

PROPERTIES / APPLICATIONS

SETAL A F 48 TB/X is the standard binder for air and force-drying industrial coatings. Its main characteristics are its rapid drying (four-hour coating), good through-drying and curing to form defect-free films, even in thick coats. It also yields good film properties - whiteness, resistance to yellowing, gloss and gloss retention, brilliance, body, flow and weather stability.

SETAL A F 48 TB/X can be used in primers as well as in all types of top coats and one-coat finishes. Coatings based on SETAL A F 48 TB/X can be applied using conventional methods such as spraying, dipping and flow coating. A combination of 0.1 % Ca/0.06 % Co/0.2 % Zn and 0.2 % Zr-octoate, calculated as metal on solvent-free resin, has proved to be a useful mixture for speeding up the drying. Combination with long-oil alkyd resins is necessary for DIY paints applied by brushing.

SOLUBILITY / THINNABILITY

Aliphatic hydrocarbons	soluble
Aromatic hydrocarbons	soluble
Terpene hydrocarbons	soluble
Esters	soluble
Ketones	soluble
Alcohols	insoluble
Glycol ethers	soluble

COMPATIBILITY

Non-flexibilised melamine resins	partly compatible
Maleic and phenolic resins	partly compatible
Long-oil air-drying alkyd resins	compatible to
	partly compatible
Medium-oil air-drying alkyd resins	compatible to
	partly compatible
Short-oil alkyd resins	partly compatible
Alkaline pigments	compatible

STORAGE

When stored in its sealed containers at temperatures not exceeding 30 °C, the product will remain stable for at least 365 days.

LABELING AND REACH APPLICATION

This product data sheet is only valid in conjunction with the latest edition of the corresponding Safety Data Sheet. Any updating of safety-relevant information – in accordance with statutory requirements – will only be reflected in the Safety Data Sheet, copies of which will be revised and distributed. Information relating to the current classification and labeling, applications and processing methods and further data relevant to safety can be found in the currently valid Safety Data Sheet.