

TYPE

Long oil, drying alkyd resin, medium viscosity

Soya oil type

FORM OF DELIVERY (f.o.d.)

60 % in Shellsol D 60 (60SD60)

SPECIAL PROPERTIES AND USE

Excellent initial and through drying.
Excellent brushability and flow.
High gloss and good build.
Excellent yellowing and weather resistance.

Trade paints and house paints.
Universal purpose paints.
Do-it-yourself paints.

RESIN COMPOSITION

(approx.)

64 % oil
 25 % phthalic anhydride

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity	[mPa.s]	370 - 700
50 % Shellsol D 60 (25 1/s; 23 °C)		

Iodine Colour Number DIN 6162

iodine colour number		< 10
50 % Shellsol D 60		

Acid Value DIN EN ISO 2114

acid value	[mg KOH/g]	< 12
(non volatile matter)		

Non-Volatile Matter DIN 55671

non-volatile matter	[%]	58 - 62
(120 °C; 5 min)		

Not continually determined:

Non-Volatile Matter DIN EN ISO 3251

non-volatile matter	[%]	58 - 62
(1 h; 125 °C; 1 g)		

Density (Liquids) DIN EN ISO 2811-2

density	[g/cm ³]	0,92
approx. (20 °C)		

Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point	[°C]	65
approx.		

SUGGESTED USES

Vialkyd AS 673m/60SD60 is designed as sole binder or for combination with medium oil or long oil Vialkyd resins in the formulation of high grade trade and maintenance paints. Paint performance can be further enhanced in various respects through combination with modified maleic resins, cyclized rubber or low-viscosity stand oils.

Trade paints, house paints

Vialkyd AS 673m affords excellent brushability, build, levelling, weather resistance and colour retention.

Do-it-yourself paints

Vialkyd AS 673m in conjunction with thixotropic Vialkyd-grades yields dripless paints with easy brushability and without sagging on vertical surfaces.

PROCESSING

Vialkyd AS 673m has excellent compatibility characteristics with long and medium oil alkyd resins and with high and low viscous oils. In highly pigmented interior paints we recommend the coemployment of rosin modified maleic resins in order to enhance radiance. Additions of Alpex CK 450 accelerate drying, enhance resistance characteristics to aggressive environment, e. g. in the chemical industry.

Vialkyd AS 673m can be processed with normal pigments. Basic pigments, e. g. zinc white, may reduce gloss retention and flexibility.

Siccatives, antiskinning agents

The following combinations may serve as a guide for optimum drying: 0.05 % cobalt, 0.2 % zirconium and 0.1 % calcium, metal on solid resin. Skinning in containers can be prevented by about 1.5 % of Additol XL 297 of alkyd solid resin.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 730 days.

DISTINGUISHING FEATURES

Vialkyd AS 673m/60SD60 is a lower viscous resin than Vialkyd AS 673h. Vialkyd AS 673m/60SD60, contrary to a linseed alkyd with comparable oil length, e. g. Vialkyd AL 670m, has substantially enhanced yellowing resistance and superior through drying.