

5. VARNISHES VULAK/ Water soluble varnish/ **WASOL - 40**



CABLES



IMPREGNANTS



WIRES



RESEARCH

(UL certification – pending)

Application:

WASOL – 40 is water soluble modified polyester – alkyd varnish with an excellent mechanical properties and very good stability in the tank. It is suitable for insulation systems of thermal class F (155 °C) – H (180 °C). The product is intended to use for impregnation of the windings of electric rotating machines, coils from enameled round and profile wires. It can be used for cold, dipping and VPI methods of impregnation.

Water soluble varnish

Charakteristics:

Being water based it is non flammable, with very low VOC (volatile organic content) giving lower environmental emissions. It exhibits excellent penetration through windings with and produces resilient film with good bond strengths at all operating temperatures, it is safe for treatment. It doesn't require any special stock conditions. It is recommended that stainless steel tank be used with this product.

Processing data and properties of liquid resin:

Flow time (DIN Becher 4)	25°C	[s]	21 ± 3
Non volatile content		%	38±2
Shelf life	max. 25°C	[month]	18
Flashpoint (Cleveland)		[°C]	>100
Curing time	130°C	[h]	2



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Properties after cure:

Curing of test specimen	150 °C	[h]	6
Twisted coil test ¹	23 °C	[N]	122
	180 °C	[EN]	24

1. IEC 61033, met A

Packing and storage:

Impregnating resin is delivered in non returnable, clean and for other products not used drums 210 l, 25, 10 l canisters. It is stored in tightly closed origin packing, in dry store @ temperature from +1°C to +25°C.

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