

MERIT ZIRCON EXTRA 25

DESCRIPTION

A one component acid catalysed lacquer.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ A fast curing all-round lacquer without aromatic solvents.
- ◆ Easy to sand.
- ◆ Suitable for priming and top lacquering of furniture, doors and other wooden surfaces in general.
- ◆ Low formaldehyde content.

TECHNICAL DATA

Solids content 26 % by volume, 34 % by weight.

Specific gravity 0.95 kg/ litre

Product codes 005 2717

Recommended spreading amounts and theoretical coverage 8,0 m²/l (30 µm DFT).
Practical coverage depends on the application method, lacquering conditions and the shape and roughness of the surface to be coated.

Storage (+ 23 °C) 12 months.

Drying times (80 - 100 g/m² WFT) Dry to sand after 30 minutes in the oven temperature 50 °C.
Dry to sand after 60 minutes in room temperature 23 °C.

Dry to stack after 50 minutes in the oven temperature 50 °C.
Dry to stack after 2 ½ hours in room temperature 23 °C.

Flash Off 3-5 minutes needed before conventional drying. Drying and relacquering times are related to the film thickness, temperature, the relative humidity of the air and ventilation. Stacking temperature of the painted object below 35 °C. IR-drying is not recommended.

VOC The Volatile Organic Compounds amount (thinned 20 % by volume) to 640 g/litre of paint. For industrial use only.

Gloss 17-22 DIN 67530, ISO 2813/60° (005 2717)

Colours Clear.

MERIT ZIRCON EXTRA 25

APPLICATION DETAILS

Surface preparation	Wood surfaces should be sanded with the roughness P150 - 240. Sealer surfaces should be sanded with roughness P240 - 320. All sanding dust must be removed with f.ex.vacuum.
Sealers	Merit Zircon Extra 25.
Application conditions	The surface to be painted has to be clean and dry. During application and drying the temperature of the air, the surface to be treated and the paint has to be over 18 °C and the relative humidity of the air below 70 %.
Application (+23 °C)	<p>Airless spraying application with the viscosity 30 - 50 seconds (DIN 4) can be reached with approximately 5 - 20 % of thinning by volume. Nozzle tip 0.011" to 0.015" is recommended to use with the pressure of 120 - 160 bar. Spray angle shall be chosen according to the shape of the object.</p> <p>Air assisted airless application with the viscosity 30 - 50 seconds (DIN 4) can be reached with approximately 5 - 20 % of thinning by volume. Nozzle tip 0.011" - 0.015" is recommended to use with the pressure 40 - 120 bar. Atomising air pressure should be about 1 - 3 bar. Spray angle shall be chosen according to the shape of the object.</p> <p>Conventional application with the viscosity 30 - 60 s (DIN 4) can be reached with approximately 0 - 20 % thinning by volume. Nozzle tip 1.4 - 1.8 mm is recommended to use with the pressure 2,0 - 3,0 bar.</p> <p>Curtain coating with the viscosity 35 -55 s (DIN 4) can be reached with approximately 5 - 15 % thinning by volume. Avoid too high pumping pressure and flowing speed.</p>
Mixing components	Product is one-component, no acid catalyser needed. Stir the lacquer carefully before use. Thin the lacquer to the viscosity required. Do not use iron containers as mixing container. Instead use plastic, enamel or acid resistant steel containers.
Thinner	Thinner 1058, 1059, 1033 or 1035.
Cleaning of equipment	Thinner 1058, 1059, 1033 or 1035.
HEALTH AND SAFETY	Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets. A health and safety data sheet is available on request from Tikkurila Oy.

karka141209/hju150210/005 2717