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KE45T

TRANSLUCENT RTV1

RTV SILICONE RUBBER

PRODUCT DESCRIPTION

KE45T is a translucent, high strength, room temperature curing silicone rubber compound. KE45T adhesive is a paste-like, one-component material that cures to a durable, resilient silicone rubber when exposed to moisture in the air at room temperature. KE45T lends itself to being diluted with solvents and accepting pigments and dyes of varying descriptions. This can be applied as a paint system to silicone skins and other plasticised and flexible surfaces, either by brushing or an airbrush.

PRODUCT FEATURES AND BENEFITS

Very high elongation and tear strength
Excellent high and low temperature resistance
Translucent for easy pigmentation

TYPICAL APPLICATIONS

Special FX skins and coatings in the film industry.
Repair of silicone moulds.

DIRECTIONS FOR USE

KE45T will bond to many clean surfaces without the aid of a primer. A sample test/evaluation should be made to determine the bond strength for each specific application. All surfaces should be thoroughly cleaned with a suitable solvent such as naphtha, methyl ethyl ketone (MEK) or D-Limonene to remove dirt, oil and grease. The surface should be wiped dry before applying KE45T.

CURING

The cure process begins with the formation of a skin on the exposed surface of the sealant and progresses inward through the material. In conditions of 24°C and 50% relative humidity, a tack-free skin should form within 20 minutes of application. When used with a diluent, such as D-Limonene or MEK the cure time can be reduced.

TYPICAL CURED PROPERTIES

Colour	Translucent
Specific Gravity	1.05
Tensile Strength, kg/cm ²	19
Elongation (%)	310
Hardness (Shore-A)	30
Tear Strength, kg/cm	7.2
Peel Strength, kg/cm	2.7
Dielectric Strength (v/mil)	500
Dielectric Constant @ 60 Hz	2.6
Dissipation Factor @ 60 Hz	.001
Volume Resistivity (ohm-cm)	1X10 ¹⁵

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