

C3-447

One Pack Polyurethane Coating



Description

C3-447 is a thermoplastic polyurethane solution with excellent tensile strength, heat resistance and a relatively dry handle for a tack free finish.

The coating is characterised by an extremely high crystallisation rate with low thermoplastic properties, so bonds remain thermally stable once cured.

Its high green strength enables the material to be handled at the start of the curing process and before full bond strength is achieved making the primer coating a suitable solution for a variety of commercial and industrial applications. Common applications include for use on textiles and polymers as either a primer or adhesive, as well as protective clothing and lifesaving equipment.

Application method(s)

C3-447 can be applied by conventional large scale coating techniques ie. knife over roller, air knife etc.

Application can also be carried out manually on small areas using a brush or a fine notched trowel.

Curing

No curing is necessary for the development of optimum properties, simply allow solvent to fully evaporate and the film to dry.

This can be accelerated using a heated oven and suitable extraction system, the solvent should be removed at temperatures in the region of 80°C - 100°C.

A small amount of isocyanate based curative, such as C13-002, can be added to improve adhesion to synthetic substrates.

Usage Notes

Use acetone to clean equipment.

Thinning is not necessary.

Health & Safety

See SDS. If you need a copy of the latest version please contact sales@itac.uk.com

Packing and Storage

25 litre open top pails and 200 litre open top drums.

Store in a cool dry place between 15°C and 30°C.

If material is too cold it will become cloudy, warming above 15°C will restore clarity.

Typical properties for this product are given based on ITAC manufacturing experience. They are not a specification of the product.

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VAT reg No 145 4337 73



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Typical Properties	Value	Units	Test method
Base Polymer	Polyurethane	NA	
Colour	Translucent	NA	
Specific Gravity	0.85	NA	
Solvent(s)	Acetone	NA	
Solids Content	20 - 24	% by weight	
Viscosity	1,250 - 1,750	cPs	Brookfield spindle 5 speed 10 at 20°C.
Flashpoint	-19.5	°C	Closed Cup, ISO 3679
Shelf life	12 months from date of manufacture, which is printed on the label.		

Other Properties	Value	Units	Test Method

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