

Technical Data Sheet

LPU132

03/06/2016

Version 1

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BRAND: Sirca.

S.p.A. has a quality system certified by DNV according to standard UNI EN ISO 9001.

Name and Code

LPU132 Clear PU high gloss topcoat .

Chemical Nature

Polyurethane paint.

Description and performances

High gloss transparent polyurethane topcoat. This product is suitable for furniture, kids' furniture and kids' bedroom furniture applications, doors and wooden items in general.

Description	Method	Unit of measure	Value - Range
Resistance to cold liquids	UNI EN 12720	Classification in accordance with UNI 10944	B
Wet-hot resistance	UNI EN 12721	Test level	4
Dry-hot resistance	UNI EN 12722	Test level	5
Light Exposure	UNI EN 15187	Gray scale	1,5
Scatch resistance	UNI EN 15186	Newton	0,6
Pencil hardness	ASTM D 3363	British grade	F

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Additional description of the product

Chemical - Technical Properties

Description	Method	Unit of measure	Value - Range
Solid content	I.O. 371	%	58±1
Specific gravity	I.O. 309	g/cm3	1,000±0,010
Viscosity DIN 4 @20°C	I.O. 301	seconds	75±5

Field of application

LPU132: 100 parts by weight

CTH40: 100 parts by weight

CTH46: 100 parts by weight

CT20: 100 parts by weight

DPU809: 30-50 parts by weight

Viscosity (ready to use): 14 seconds DIN4

Drying conditions: at 20°C

Pot-Life: 4 hours using CTH40

Dust free: 60 minutes

Tack free: 3 hours

Stackable: 48 hours

Application amount: 100-120 g/mq

Number of layers: 1-2

Application devices: spray and curtain coater

General properties

High gloss polyurethane transparent topcoat with great levelling properties, distinctness of image and good body. This product has also good scratch resistance and light fastness. It is easy to apply also with curtain coater. Do not exceed with the application amount since this topcoat has high solids content; eventually reduce the isocyanate use to 90% during summertime.

Different hardeners lead to different characteristics in the dry coating film

CTH40: great drying properties together with a good body and hardness development.

CTH46: excellent body and good distinctness of image, suitable for applications where polishing is not required.

CT20: Great body and distinctness of image. Poor light fastness.

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Storage instructions

Keep the product in a ventilated area; do not exceed 25-28 °C. Polyisocyanic hardeners should be protected from frost and humidity. If they have been partially used please close the can tight and use the residual amount in a short time.

EXPIRATION DATE 12 months

The data refers to the product stored in original sealed packaging.

The information supplied are correct to the best of our knowledge. However, as the coating process depends on many variables and the present application takes place without our supervision, we cannot assume any responsibility for the final result. Sirca guarantees that chemical and physical characteristics of the products are within the reported range. Due to the large variety of substrates and application devices, the purchaser/user should test our products in his own application conditions and safety and environment circumstances. Sirca's technical and sales departments are at customer's disposal for any further information regarding correct application of our products.