

Technical Data Sheet

70PU77S15G20

17/10/2022

Version 2

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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

70PU77S15G20 PU Topcoat Tixo, 20 sheen

Chemical Nature

Polyurethane paint.

Description and performances

Matt polyurethanic topcoat. This product is suitable for furniture, office furniture, doors and wooden items in general.

The two digits, after the "g" letter in the product code, indicate the gloss level of the paint.

Description	Method	Unit of measure	Value - Range
Resistance to cold liquids	UNI EN 12720	Classification in accordance with UNI 10944	C
Pencil hardness	ASTM D 3363	British grade	HB
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	1/2
Scratch resistance	UNI EN 15186	Newton	0,7

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Additional description of the product

Chemical - Technical Properties

Description	Method	Unit of measure	Value - Range
Specific gravity(*)	I.O. 309	g/cm ³	0,985±0,020
Solid content(*)	I.O. 371	%	46±2
Viscosity DIN 4 @20°C	I.O. 301	Seconds	70±5

* Typical values

The solid content amount may vary according to gloss level of the specific product

Field of application

Product: 70PU77S15G20; 100 parts by weight/100 parts by volume

Hardener: 7CT30; 50 parts by weight/50 parts by volume.

Optional Hardener: 7CT141; 50 parts by weight/50 parts by volume.

Optional Hardener: 7CTH31; 50 parts by weight/50 parts by volume.

Thinner: 7DPU809; 10-30 parts by weight/10-30 parts by volume.

Viscosity (ready to use): 14 seconds DIN4

Drying conditions: at 20°C

Pot-Life: 2 hours

Dust free: 30-35 minutes

Tack free: 50-60 minutes

Stackable: 24 hours

Application amount: 90-150 g/m²

Number of layers: 1

Application devices: standard spray gun and airless

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General properties

PU topcoat with good scratch resistance and smooth to the touch. The product is suitable for applications on polyester or polyurethane basecoats. It is recommended to sand thoroughly the sealer before applying the topcoat (280-320 grit sandpaper). The cured coating shows good chemical-mechanical properties.

Different hardeners lead to different characteristics in the dry coating film.

7CT30: hardener for general use, with good drying time.

7CT141: faster drying times.

7CTH31: It gives the best non-yellowing resistance.

Test according EN ISO 16000-9:2006 performed on panels painted with our polyurethanic, acrylic and U.V. curable products, prepared with hardener and thinner as specified in TDS and completely cured and completely dry, emit less than 300 µg/m³ of volatile organic compounds.

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.