

Product identifier:

**CENTURION 2K PUR B100**

Date:

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➤ **GENERAL INFO**

**CENTURION 2K PUR B100** is a two-component polyurethane topcoat based on acrylic aliphatic resins (polyisocyanate cured), synthetic organic solvents and pigments.

➤ **CHARACTERISTICS**

**CENTURION 2K PUR B100** is a quick drying synthetic polyurethane topcoat for long-term protection and decoration of steel construction, industrial structures and machines in the exterior, exposed to atmospheric, mechanical and chemical impacts (high chemical and atmospheric resistance - systems C4 and C5 according to DFT).

It is applied to metal surfaces (steel, galvanized surfaces, zinc, aluminum) previously coated with suitable anti-corrosive primers (usually epoxy and PU).

Characteristics: good coverage, stable colour and solid film for mechanical and chemical resistance.

Relative density	1,2 (+/-0,1) g/cm <sup>3</sup> c. A; 1,07 (+/-0,1) g/cm <sup>3</sup> c. B
Theoretical consumption	7-8 m <sup>2</sup> /kg for 70 µm DFT
Solids content	57-65 %
VOC content	<490 g/l
Dynamic viscosity	1500-4000 mPa*s
Available shades	RAL

➤ **USE**

**CENTURION 2K PUR B100** is applied to a previously prepared, clean and dry metal surface after grease and corrosion removal and painting with suitable primer. In the FIRESTOP system it is used over dried intumescent coating without previous sanding.

✓ Mix well before use and during coating application. The coating is prepared for use by mixing of component A (resin) with component B (hardener) 2K PUR in a weight ratio 8:1. After mixing of components, the mixture should be left for 10 min for reaction, before application. The pot life of the prepared mixture is 4 h. The coating can be diluted by the addition of max 10% of PU thinner.

✓ Application: airless pump, spray gun, brush or roller on small areas. Apply a thin layer of coating to the metal surface, wait for 3 - 5 minutes to dry, and then apply a layer of desired thickness. This ensures good coating adhesion and required thickness without dripping.

✓ Recommended working conditions: air temperature 10-35°C, metal surface temperature 3°C above dew point, humidity max 80%. During application ensure adequate ventilation.

✓ Drying time (23°C, air humidity 60%): touch - 2 h; interlayer interval - min 8 h, manipulation after 24 h, completely dry/cured 7 days. Poor ventilation, low temperatures and high humidity can significantly prolong the drying time - pay attention on site.

➤ **HANDLING AND STORAGE**

Store and use away from sources of ignition, heat and oxidizing agents. Store in the original tightly closed container, in a dry, ventilated place at a temperature 5 to 35°C. Shelf life is 36 months. Avoid contact with skin, eyes and respiratory organs. Wear suitable protective clothing, respiratory mask and gloves. More info regarding working hazards and precautionary are listed in Safety Data Sheet.

Cleaning: Wash wet tools in solvent-thinner. Do not spill liquid waste from cleaning and residual products into drains and waterways. Dispose of product residues and packaging in accordance with regulations.

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