

TECHNICAL DATA SHEET

U3003

Adhesive powder for veneering

INTRODUCTION

U3003 is a urea-based formaldehyde adhesive powder intended for veneering and high-frequency bonding applications. The adhesive is characterized by its low formaldehyde content and complies with the E1 emission class in according with EN 717-2/94.

CHARACTERISTICS

Appearance	powder
Colour	white
Base	urea-formaldehyde
Mixing ratio	2 parts of resin to 1 part of water
Minimum processing temperature	> +5°C
Open time (once mixed with water) at 45°C	75 ± 25 min
Količina nanosa	100 g/m ² do 180 g/m ²
Setting time at 90°/100°C	60" – 120"
Required quantity	100 g/m ² to 180 g/m ²
Moisture content of the materials	8 – 12%
Press temperature	recommended ≥ 80°C
Pressure	From 2 – 5 kg/cm ² depending on the application
Cleaning	With hot water
Storage	Protect from freezing. Store in a dry place, in the original packaging, at a temperature above 5°C.
Shelf life	8 mesecev od datuma proizvodnje, pri temperaturi 20°C
Packaging	25 kg paper bag

RECOMMENDATIONS FOR OPTIMAL USE OF THE ADHESIVE

U3003 adhesive powder should be dissolved in water at a ratio of 10Kg powder to 5Kg water. Once dissolved, the adhesive should be used within approximately 4 hours at a temperature of 20°C. The adhesive's high yield and formulation enable its versatile use in a wide range of applications.

CURING TIME DEPENDING ON TEMPERATURE

Temperature (°C)	20	30	90	100	110
Gel time	8h	3h	2 min	60 sec	40 sec

As with any urea-formaldehyde product, this adhesive may cause skin sensitisation in susceptible individuals. Avoid direct contact with the adhesive by wearing suitable protective gloves, such as latex gloves.

Adequate ventilation should also be provided in the working environment to minimise irritation of the mucous membranes caused by formaldehyde.

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The information contained in this brochure reflects our current knowledge and does not exempt our customers from conducting their own incoming inspection. We reserve the right to make changes to the product characteristics in response to technical progress or production developments. The suggestions provided in this brochure require, due to factors beyond our control during processing, independent examinations and tests, particularly when using third-party raw materials. Our advice does not exempt you from the obligation to check and, if necessary, resolve any potential issues related to third-party patent infringements