SCHEDA TECNICA - DATA SHEET

ISOCOLL 51

GENERALITIES
Single-component polyurethane adhesive . It hardens after contact with air or humidity of the surfaces to bond. It has high water, solvents and high temperature resistance. Solvent free.
It fulfil with EN 204-205 class D4 standards.

APPLICATIONS
It is used to produce windows and stairs. It is used for bonding wood and wooden-by materials to varnished/painted surfaces, metal, melamine-base materials, felts, glass wool and ceramic panels.

CHARACTERISTICS

FORM	liquid	
COLOUR	light brown	
VISCOSITY Brookfield at 23°C s4/20rpm	4500 - 8000	mPa*s

FOR BEST RESULTS

HUMIDITY OF MATERIAL TO BE BONDED	8 - 20	%
MATERIAL, ROOM AND GLUE TEMPERATURE	18 - 22	°C
OPEN TIME AT 20°C	20 - 30	minutes
SETTING TIME AT 20°C, ROOM HUMIDITY 65%	40 - 50	minutes

Setting time is lowered when working at high temperature (50°C max 70°C) or atomizing the surface with water.

USAGE ADVICE
Spread the product on the less porous surface to bond. Apply it by spatula , manual roller or directly by the bottle. Apply about 100-250 gr/m2 according to the material to bond. Crosslinking has to get under pressure. Pressure required changes according to type and size of material. Don't press wooden panels or wooden laths with pressure below 0.6N/mm2.

It is possible work the materials after 2-3 hours after bonding. Final tightness is achieve after 24 hours.

WARNING
Harmful if inhaled, it can irritate eyes, breathing apparatus and skin. When working at temperature above 40°C could create harmful fumes. For any other information refer to msds.

PACKAGING
Cans of 0,5 kg.

STORAGE
Shelf life: 9 months at 20°C in original closed packages.
To store the product at temperature higher than 30°C and below than 10°C may cause an alteration of it.

Date: March 2018; **version n° 09**

UNICOL S.R.L 31043 Fontanelle (TV) Tel. +390422809009 Fax +390422809044
www.unicol.it e-mail: info@unicol.it