

TWO-COMPONENT POLYURETHANE ADHESIVE (CPB 001)

1. Description:

Two-component polyurethane, filled, semi rigid, low viscosity, one-hundred percent free of solvents. Good adhesive properties, waterproof and resistant to mechanical stress.

2. Applications:

Adhesive for materials of differing or similar properties. Suitable in the construction of honeycomb sandwich panels, and in expanding materials such as polyurethane, foam, etc; skin material can be metal, glass, laminated plastic, wood, fiberglass, aluminum...

3. Use

3.1. Packaging

A: Container/small metal container

kg 250/ 25

B: Container/small metal container

kg 250/ 14

Note - Different amounts per container can be supplied upon request

⇒ *The mixing ratio between the components must be followed as specified.*

3.2. Mix

Until perfectly homogenous

3.3. Mixing Ratio

A : B = 100 : 20 by weight
A : B = 100 : 25 ÷ 27 by volume

3.4. Temperature Range for application

+10 / +35°C

At lower temperatures and at high humidity levels the curing of the product will not be optimal.

3.5. Storage

In hermetic bins at a temperature of 23°C, 6 months

It is recommended to check for sedimentation in the containers before use, in case of sedimentation, remix. Avoid exposing to moisture and to prolonged contact with the air.

3.6. Equipment cleaning

Tools/Equipment can be cleaned with suitable solvent, turpentine, nitric thinner or varnish remover.

4. Warnings

The surface must be free of moisture, dust, grease, or oils.

5. Properties

Component A (CPB 001)

Characteristics	Method	Units	Value
Specific weight at 23 ± 2°C	ASTM D 1475/60	g/ml	1,62 ÷ 1,65
Viscosity at 25 ± 2°C	ASTM D 2393	mPa·s	15.000 ÷ 25.000
Color	-	-	beige
Appearance	-	-	liquid paste

Component B (CPB 001)

Characteristics	Method	Units	Value
Specific weight at 23 ± 2°C	ASTM D 1475/60	g/ml	1,20 ÷ 1,25
Viscosity at 25 ± 2°C	ASTM D 2393	mPa·s	350 ± 50
Color	-	-	Dark brown
Appearance	-	-	liquid

Components A and B Mixed

Characteristics	Method	Units	Value
Pot life at 25 ± 2°C (200 cc A+B)	-	minutes	30 ÷ 35
Open time at 25 ± 2°C (thickness 1mm)	-	minutes	75 ÷ 95
Gel Time at 25 ± 2°C thickness 1mm)	-	minutes	170 ÷ 200
Minimum Temperature Application	-	°C	+10
Initial Hardening at 25°C	-	hours	8 ÷ 10
Time to reach full cure, 25 °C	-	days	5 ÷ 7
Coverage	-	g/sqm	150 ÷ 350

Components A and B, final characteristics after full cure hasbeen reached

Characteristics	Method	Units	Value
Color	-	-	beige
Density at 20°C	ASTM D 792	g/ml	1,56 ÷ 1,58
Traction Tensile strength (aluminum-aluminum)	ASTM D-1002	MPa	5 ÷ 7

6. Hygiene

When working with polyurethane resins and other isocyanate hardeners, all regulations regarding hygiene and safety, glove use, safety goggles, and suitable clothing must be strictly followed. Dispose of waste materials in accordance with the laws in force. Do not release waste materials into the storm sewers. For further information, please see the material safety data sheet.