

DESCRIPTION

P-TEC 8400 is a 100% solid, thixotropic and low density polyurethane repair paste for the repairing of wood. This product is used for fast repairing of CNC machined molds or prototypes made out from polyurethane boards or wood which show fissures, voids or any defects to the surface. The P-TEC 8400 can also be of good help to repair damaged edges and design modification.

This product can also be used as an adhesive to structurally assemble polyurethane boards and wooden panels among others.

CHARACTERISTICS

- Easy mixing ratio of 1A/1B volume
- No shrinkage
- No odor
- Fast and easy sanding process
- Fast setting time of 18 minutes at 22°C.
- Excellent thermal and dimensional stabilities
- Compatible with many surface coatings
- Excellent adhesive for many substrate

APPLICATIONS

Both parts must be thoroughly mixed according to the mixing ratio indicated on this technical data sheet. Before use, check that the support is free of any dust, grease or pollution. During processing, pot life and time before sanding may vary depending on the ambient temperature.

The exothermic that will develop during hardening varies with the thickness of product applied, up to a maximal value of 79°C (174°F)

Advice: Test is necessary when using painting in order to verify compatibility between the putty and the primer.

A polyester base primer is recommended.

Please consult **POLYMERES TECHNOLOGIES** for more details based on your application.

TYPICAL PROPERTIES (at 22°C)

		PART A	PART B	MIXED
Mixing Ratio	1. By weight	100	100	100/100
	2. By volume	1	1	1/1
Viscosity	Brookfield (cps)	Paste	Paste	Paste
Color		Greenish grey	Beige	Greenish grey
Density	g/cm ³	0.88	0.88	0.88
Pot life	ASTM D 2471	5 minutes at 22°C		

MECHANICAL PROPERTIES (solid state) 7 days after cure at 22°C

TEST	METHOD	RESULTS	
Hardness	ASTM D 2240	Shore D	57
Preferred temperature of application	-	°C	15°C @ 25°C
Thickness of application	-	on a vertical wall	Up to 30 mm
Hardening time (full properties)	-	days	2
Pot Life			5 - 7 minutes
Cure Time		Min.	18 minutes
Glass transition temperature (TG)	T.M.A. Mettler	°C / °F	65/149
Flexural modulus of elasticity	ASTM D 790	MPa	894
Elongation at break	ASTM D-638 (TYPE IV)	%	7.7
Linear Shrinkage	ASTM D 2566	%	<0,01
Compressive Strength	ASTM D 695	MPa	22.5
Compressive Strength	ASTM D 4060 Taber CS-17-1000 gr 1000 tours	Loss in gr	0.034

PRECAUTIONS

- Consult Material Safety Data Sheet prior to use.
- Normal health and safety precautions should be observed when handling these products :
 - Ensure good ventilation
 - Wear gloves, safety glasses and waterproof clothes.
- Shelf life of product in original closed containers is **one (1) year**.
- Once the container is opened **POLYMÈRES** has no control or responsibility for the shelf life.
- It is recommended to follow Provincial and Federal safety regulations. In case of eye contact, rinse well with water, in case of skin contact, rinse with soap and water. Keep away from children.

GUARANTEE

Having no control on the use and applications of this product, the manufacturer and/or distributor cannot guarantee the results achieved. The warranty is therefore limited to the replacement of a product whose user can demonstrate, in a way that is satisfactory to both manufacturer and distributor, that it is in fact defective. Before using this product, the user must ensure that it is appropriate for the chosen purpose. The user assumes all risks related to this use. The user must ensure that the product meets his or her needs by testing it at the short, medium, and long-term to validate the results in the intended operating conditions and following the prepared instructions. This limited warranty disclaims any liability for indirect, accidental, or special damages. Except for the warranty described above, the user expressly recognizes and accepts that, upon purchase of this product, the manufacturer and/or distributor disclaim any other responsibility and that any other warranties, express or implied, related to a warranty of merchantability and to an implicit warranty related to the quality of materials are expressly excluded.