

P-TEC™ 8400

Two-component
industrial wood
filler

MIXING RATIO
1A : 1B
by volume

CHARACTERISTICS

Looks like wood

Fast curing time

No shrinkage

For indoor and outdoor use

Available in beige, cognac,
black walnut and black



Contact

POLYMÈRES TECHNOLOGIES

for more information:

support@polymerestechologies.com

DESCRIPTION

P-TEC™ 8400 is a high-performance repair paste for the refection of damaged wood and natural flaws such as knots, cracks, and voids. This product is completely compatible with all wood essences such as mahogany, cedar, oak, ash, linden, and even more exotic woods.

P-TEC™ 8400 proves equally useful for stabilizing rotten wood and can be used both much indoors and outdoors as it is resistant to extreme weather. It can be used as an adhesive for the structural assembly of wood with metal, plastic, rubber, concrete, fiberglass, and more.

INSTRUCTIONS

PREPARATION

Before applying P-TEC™ 8400, make sure that the substrate is free from any contaminant. When using a pouch kit format, knead each pouch well (the pouches of both parts A and B). Mix 1 part of A with 1 part of B by volume (or 100 A/100 B by weight) until a homogenous paste is obtained. We recommend testing any paint, stain, or other products in order to verify their compatibility with P-TEC™ 8400.

USAGE

It is recommended to use this product within 6 months. Part B being hygroscopic, it is possible that it crystallizes if exposed to moisture. Always close the caps well after use.

During application, pot life and curing time before sanding vary in relation to the ambient temperature in the working environment. The exothermic reaction of this system also varies with the applied thickness and ambient temperature of the work environment. Since the pot life of this system is only 3 minutes at 22°C (72°F), make sure not to mix more material than what can be applied within this time frame.

STORAGE

Store P-TEC™ 8400 on a pallet or shelf at 22°C (72°F) with a relative humidity under 60%. A cold environment will increase the viscosity of parts A and B and a warm environment will decrease it. Uncured material can be easily cleaned with isopropyl alcohol or with POLY CLEANER™.



Polyurethane repair paste
Pot life of 3 minutes

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TYPICAL PROPERTIES (AT 22 °C/72 °F)	PART A	PART B	MIX
CONSISTENCY	Paste		
DENSITY (g/cm ³)	0.88	0.88	0.88
MIXING RATIO IN VOLUME	1	1	1/1
MIXING RATIO IN WEIGHT	100	100	100/100
COLOR	Beige, black, black walnut or cognac	Off white	Beige, black, black walnut or cognac
POT LIFE	3 minutes		

PHYSICAL PROPERTIES (SOLID STATE AFTER 7 DAYS AT 22°C/72°F)			
TEST	METHOD	RESULTS	
HARDNESS	ASTM D 2240	Shore D	57
COMPRESSIVE STRENGTH		MPa	22.5
FLEXURAL MODULUS OF ELASTICITY	ASTM D 790	MPa	894
THICKNESS OF APPLICATION		Vertical wall	Up to 30mm
SETTING TIME BEFORE SANDING		Minimum	18 minutes
LINEAR SHRINKAGE	ASTM D 2566	< 0,01 %	
ABRASION RESISTANCE	TABER CS 17- 1000 GR 1000 tours	Loss in grams	0.034
FULL HARDENING TIME		2 days	
ELONGATION PERCENTAGE	ASTM D 638 Type 4	7%	

PRECAUTIONS

- Consult material safety data sheet prior to use.
- Normal health and safety measures should be observed when handling this product.
- Ensure good ventilation.
- Wear gloves, safety glasses, and protective clothing.
- Do not use part A without its part B, and vice versa. Knead well parts A and B separately before use.
- Once the container is opened, POLYMÈRES TECHNOLOGIES can no longer be held responsible for this product.
- Shelf life of this product in original containers is six (6) months from the date of purchase, under recommended storage conditions.
- Keep from freezing.

WARNING

Store this product at 22 °C (72 °F). Part B is very sensitive to moisture. P-TEC 8400™ is incompatible with solvent-based products.

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.

ASSUMPTION OF RISK

The customer assumes all risk and liability for the results obtained by the use of any POLYMÈRES TECHNOLOGIES product, including, without limiting the generality of the foregoing, the use of the CHILL EPOXY™ line of products, and the use of any process, whether in terms of general effectiveness, success, or failure, and regardless of any oral or written statement made by way of technical advice or otherwise, related to the use of any POLYMÈRES TECHNOLOGIES product.

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