

DESCRIPTION

- TECHNO BOND 8011 is a two-component, 100% reactive epoxy adhesive. Its properties are: medium to high viscosity, fairly high exothermic reaction and very good cure time at room temperature. TECHNO BOND 8011 can be used to bond a wide variety of properly prepared substrates. The bond will produce a clear, insoluble, permanent bond with good resistance to various chemicals.

FEATURES

- Waterproof
- Chemical resistant
- Easy to mix
- Permanent bond
Easy to apply

APPLICATION INSTRUCTIONS

The substrates to be treated must be sound, solid, dry, and free of any contaminants such as grease, oil, dust, etc.

Mix equal amounts of "A" and "B" by volume until a uniform color is achieved.

Slight variations in mixing ratio may alter the physical properties.

Uncured material can be easily cleaned using Solvent 201.

Contact **POLYMERES TECHNOLOGIES** for further information.

TYPICAL PROPERTIES (at 22°C)				
		PART A	PART B	MIXED
Viscosity	Brookfield (cps)	13,000	36,000	32,000
Consistency		Liquid	Liquid	Liquid
Specific Gravity	g/cm ³	0,99	1,21	1,07
Mixing Ratio	1. volume	1	1	2/1
	2. weight	-	-	-
Color		amber	amber-	amber
Shelf Life	200 CC	Mixed, 120 minutes at 22°C		
Exothermal Temperature	ASTM D 2471-71	110°C maximum		
Demolding Time	-	-		
Full Cure ¹		7 days		

PHYSICAL PROPERTIES (solid state after 7 days at 22°C)			
TESTS	METHOD	RESULTS	
Hardness	ASTM D 785-65	SHORE D	73
Tensile Strength	ASTM D 638-8	MPa ²	25.92
Flexural Strength	ASTM D 790-81	MPa	78.14
Compressive Strength	ASTM D 695-80	MPa	54.82
Linear Shrinkage	ASTM D 2566-79	cm/cm	.0014
Deflection Temperature 1. 455 kPa 2. 1820 kPa	ASTM D 648-82	°C	52
	ASTM D 648-82		46
Water Absorption	ASTM D 570-81	%	.22
Impact Resistance	ASTM D 256-81	J/m ³	33.3
Linear Thermal Expansion Rate	ASTM D 696-79	mm/mm °C	13,1 X 10 ⁻⁵
Shear Strength 1. Aluminum 2. Stainless Steel	ASTM D 1002-72	MPa	7.79
	ASTM D 1002-72		5.55

¹ After the material has solidified, full curing can be accelerated to 51,7°C (125°F)

² 1 MPa = 145 lbs/po²

³ 53.4 KJ/m = 1 lbF/po²

PRECAUTIONS

- Consult the Material Safety Data Sheet before use.
- Do not apply at temperatures below 13°C (55°F).
- It is essential to strictly observe appropriate workplace hygiene measures when handling:
 - Ensure good ventilation.
 - Wear protective gloves, goggles, and clothing.
- Shelf life: Once the container is opened, **POLYMÈRES TECHNOLOGIES** no longer has any control or responsibility over the product.
- Shelf life in original, unopened containers is one (1) year.

It is recommended to follow provincial and federal safety regulations. In case of contact with eyes, rinse thoroughly with water and seek medical advice immediately. In case of skin contact, rinse thoroughly with soap and water. Keep out of reach of children.

GUARANTEES

The use of the **TECHNO BOND 8011** product in a specific application must be tested (including field testing, etc.) before determining suitability. The advice we give you verbally or in writing, as part of our technical assistance and testing, does not engage our liability, even with regard to possible third-party industrial property rights, and does not relieve you of the need to check whether our products are suitable for the processes and applications you envisage. The use, implementation and processing of the products supplied are beyond our control and are therefore exclusively your responsibility. Should our liability nevertheless be incurred, it would be limited for all damages, to the value of the goods supplied by us and implemented by you. Of course, we guarantee the impeccable quality of our products within the framework of our general conditions of sale and delivery.