



# TECHNICAL DATA

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## FUTURA-PATCH 30052 POLYURETHANE PATCHING MATERIAL

### Product Description

A fast cure, two component, 100% solids urethane with a thick, paste-like consistency designed to be used as a patching material for polyurethane and polyurea coating systems. Supplied in 300 ml caulk tubes for ease of application.

### Features

- Convenient 1:1 Mix Ratio
- Contains No Plasticizers
- Paintable
- Fast Cure Time
- Easy to Apply
- High Shore A value

### Recommended Uses

- Repair and Joint material for FUTURA-ROCK
- Repair and Joint material for STYROTHANE
- Repairs nicks, gouges and dents in finished speaker cabinets
- Repairs display cases
- Repair material for damaged polyurethane and polyurea coatings.

### Typical Properties

<b>Solids by Volume</b> (ASTM D 1353)	100%
<b>Theoretical Coverage</b>	1604 mil ft <sup>2</sup> / gallon (4 sq.m/gal @ 1.0mm)
<b>Recommend DFT</b>	Varies
<b>Mix Ratio</b> (by volume)	1"A" : 1"B"
<b>Shelf Life</b> @ 65-110°F (16-43°C)	12 months
<b>Color</b>	White and Black

### Specification Data

<b>Elongation</b> – ASTM D 412, Die C	10%
<b>Tensile Strength</b> – ASTM D 412	5800 psi (27.2 MPa)
<b>Hardness</b> – ASTM D 2240	75 Shore A
<b>Tear Resistance</b> – ASTM D 1938,	900 PLI (158 KN/m)
<b>Flexural Strength</b> - ASTM D790	5370 psi (37 MPa)
<b>Flexural Modulus</b> – ASTM D790	137,000 psi (940 MPa)
<b>Izod Impact</b> – ASTM D 256	10.63 ft-lb/in (0.58 Kg-m/cm)
<b>Gardner Impact</b> – ASTM D 2795 Falling Dart	44 in-lb (0.51 Kg-m)
<b>Heat Sag</b> – ASTM3769	
150°F (65°C)	0.60 inch (1.5 cm)
200°F (93°C)	0.125 inch (0.3 cm)
250°F (121°C)	0.125 inch (0.3 cm)

### Ordering Information

<b>Packaging:</b>	300 ml Caulk Tubes
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# APPLICATION INFORMATION

## FUTURA-PATCH 30052

### Application / Temperatures:

Substrate temperatures should be sustained at 70 – 140°F (21-60°C).  
Material should be maintained between 70 – 80°F (21 – 32°F) during use.

### Mixing:

Supplied in pre-filled 300 ml caulk tubes and requires no mixing.

### Working Life:

Working life is approximately 2 – 3 minutes at 75°F (24°C), is temperature dependent and decreases as the ambient temperature increases.

### Application Procedures:

- Place a 300 ml tube into a regular caulk gun.
- Unscrew the retainer ring from the front of the tube and remove the plug.
- Attach the static mixing tube and secure to the top of the caulk tube using the screw on retainer ring.
- Adjust the caulk gun plunger so that it rests against the push plate at the rear of the caulk tube.
- Squeeze the caulk gun trigger until material is extruded from the end of the static mixer.
- After the required amount of material has been extruded onto the patch area release the pressure on the plunger so that material flow stops.
- Smooth the extruded material over the patched area using a putty knife, trowel, squeegee or other appropriate tool to achieve the thickness and smoothness desired.
- Replace the static mixer as required. Typically the mixer should last for about 3 – 4 minutes before the material hardens making it unusable. Once the mixer becomes unusable remove it and replace with a new mixer.

### Cure Time:

@ 75°F

Tack Free:

15 minutes

### Clean Up

Use a MEK/Toluene blend.

### Safety Information

- Read the Material Safety Data Sheet (MSDS) and container labels for detailed health and safety information.
- Do not apply material in enclosed areas without adequate air exchange and ventilation.
- Wear protective clothing, gloves and eye protection.
- Breathing fumes or contact with the skin may cause allergic reactions.
- This product is intended for industrial use by properly trained professional applicators only.

### Storage Conditions

- Urethane coatings need to be protected from moisture contamination. Store in a dry location at 60-90°F (16-32°C).
- Materials **must** be kept above 50°F (10°C).

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