

ADBOND EX 5690 POLYURETHANE CONSTRUCTION ADHÉSIVE

DESCRIPTION

ADBOND EX 5690 is a moisture cure polyurethane adhesive. It offers fast grip, high water resistance and a very high initial adhesion. ADBOND EX 5690 can be used for indoor and outdoor applications. ADBOND EX 5690 adheres to most types of wood; including plywood, oriented strand board (OSB), particle board and medium density fibreboard (MDF), clean metals, masonry, stone, gypsum, fiberglass, ceramics, decorative moldings, carpets, painted metals, expanded (EPS) or extruded (XPS) polystyrene insulating panel, rigid polyurethane insulating panel and some plastics. In some cases the use of a primer such as ADSEAL PRIMER MK60095 may be necessary. ADBOND EX 5690 can be used for bonding in damp places. It can also be painted.

LIMITATIONS

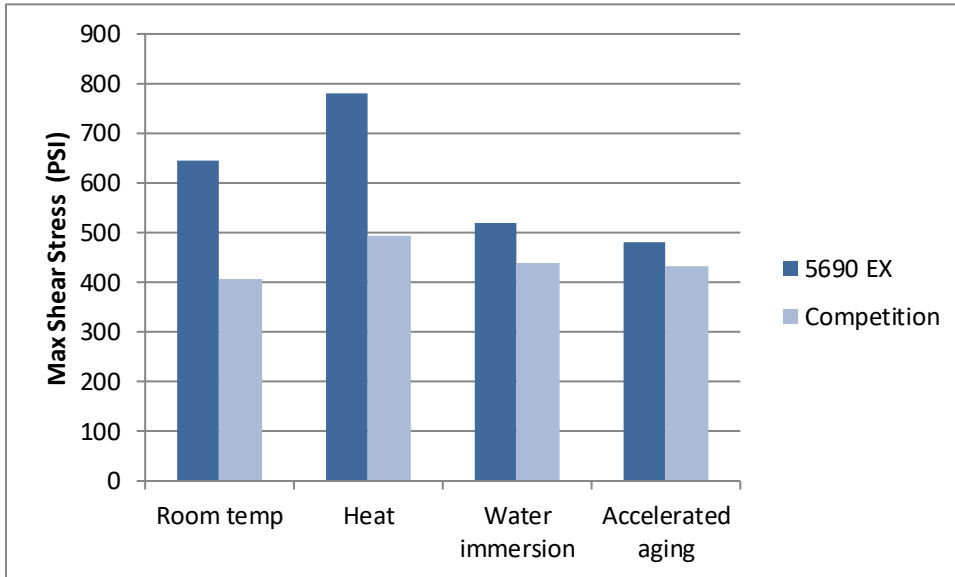
- All applications in water immersion
- Acrylic and rigid polystyrene bath / shower panels
- Polyethylene and polypropylene
- Polyethylene film covering some insulation board
- Surfaces covered with a layer of bitumen

PHYSICAL PROPERTIES

Uncured	
Consistency	Paste
Color	Tan
Extrusion rate (ASTM C1183)	150 – 240 gr/min. (at 30 psi / diameter 5mm)
Density (ASTM D1475)	1.34 – 1.38
Solids	95 – 97 %
Open time	130 – 210 minutes
Full cure	24 to 48 hours
V.O.C..	47.86 g/L
Shelf life	12 months

Cured	
Hardness (ASTM C661)	90 (shore A)
Lap shear on maple wood (ASTM C961)	644 psi (after 7 days at room temperature)
Lap shear on maple wood (ASTM C961)	723 psi (after 14 days at room temperature)
Lap shear on maple wood (ASTM C961)	780 psi (aging at heat)
Lap shear on maple wood (ASTM C961)	519 psi (water immersion)
Lap shear on maple wood (ASTM C961)	480 psi (accelerated aging)
ASTM D3498 Standard Specification for Adhesives for Field-Gluing Wood Structural Panels (Plywood or Oriented Strand Board) to Wood Based Floor System Framing	Pass on Douglas fir plywood

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APPLICATION

- Bonding masonry components
- Wood floor
- Subfloor gluing
- Furniture
- Cabinet making
- Rigid insulation panel bonding
- Landscaping retaining wall
- Construction application
- Gypsum
- Indoor and outdoor use

SURFACE PREPARATION

Surface must be free of dust, standing water oil, grease, frost or any other contaminant. On porous surface, first use mechanical tool such as grinder to remove old adhesive or any other contaminant. Use ADSEAL CLEANER 6003 to clean all surfaces. Let it evaporate 20 minutes before ADBOND EX 5690 application. Ensure that the ADSEAL PRIMER MK60095 have been applied if necessary. When using ADSEAL PRIMER MK60095, let the primer evaporate for 20 minutes prior to ADBOND EX 5690 application.

METHOD OF USE

ADBOND EX 5690 is easy to apply with a conventional manual, electric or pneumatic applicator (do not exceed 45 psi for a cartridge). ADBOND EX 5690 can be applied at temperatures between 5 ° C (41 ° F) and 35 ° C (95 ° F). Apply the adhesive to one of the two surfaces then firmly press the two substrates before skin formation of the ADBOND EX 5690. For non-porous materials, it is possible to spray a light mist of water onto the extruded adhesive in order to accelerate drying. Maintain pressure for 24 hours using clamp or press. The vulcanization time is relative to the ambient temperature and humidity as well as the nature of the substrates and the amount of adhesive used. For extruded polystyrene (EPS) or extruded (XPS) insulation panels, avoid ambient and substrate temperatures above 32 ° C (90 ° F).

ADBOND EX 5690
POLYURETHANE CONSTRUCTION ADHÉSIVE**CLEANING**

Uncured sealant can be clean with a solvent such as mineral spirit. Cured product has to be removed mechanically because ADBOND EX 5690 is solvent resistant.

COVERAGE

Packaging	Diameter 6mm (1/4")	Diameter 9.5mm (3/8")
295 ml	11 m (36 ft.)	4.1 m (13.6 ft.)
600ml	22.3 m (72.2 ft.)	8.3 m (26.2 ft.)
850 ml	26 m (86 ft)	11.6m (38 ft.)

PACKAGING

- 295 ml or 850ml cartridge
- 600ml sausage

STORAGE

Store in closed original packaging. Store in dry premises at a temperature lower than 25°C (77°F). Expiration date is indicated on each container. Storage beyond the date specified on the container does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality insurance reasons. Contact our technical service.

CAUTION

Always consult SDS (Safety Data Sheet) before using the product. Apply usual hygienic rules. Always test the product on your application before use. For industrial use only. For more information, please contact your technical representative.

IMPORTANT**READ CAREFULLY**

The information and recommendations contained herein are derived from our research and information from other reliable sources. This data applies only to our products and not when used with other products. We believe in the reliability of our information. However, no guarantee is offered to that effect. It is the responsibility of the buyer to verify this data according to their own operating conditions to ensure that they conform to the purpose for which the product is intended, even before using it.

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