

CORIAN® JOINT ADHESIVE FOR USE WITH SOLID SURFACE

PRODUCT DESCRIPTION

Corian® Joint Adhesive, a methacrylate-based adhesive is non-sagging and thixotropic and provides very good adhesion for Solid surfacing materials. Corian® Joint Adhesive is available in 50 mL and 470 mL cartridges and a variety of colors which are color-coordinated with DuPont surfacing materials. It is intended for rigidly bonding two surfaces of the same compositions. It is not intended for bonding dissimilar materials unless specifically approved by DuPont.

Corian® Joint Adhesive meets the Low VOC emission limit requirements of South Coast Air Quality Management District (SCAQMD) Rule 1168. Corian® Joint Adhesive is UL Environment GREENGUARD and GREENGUARD Gold certified. Corian® Joint Adhesive can be considered a low-emitting material that will not negatively impact indoor air quality. In accordance with French Constructive Directive, *Implementation of Council Regulation (EU) 2011 Laying Down Harmonized Conditions for the Marketing of Construction Products, Decree 2012*, on the labeling of construction, wall or floor cladding products and paints and varnishes regarding their volatile pollutant emissions, Corian® Joint Adhesive has been tested in line with the standards and meets the VOC emissions requirements for label A+ designations and the CMR emissions requirements.

TYPICAL ADHESIVE PHYSICAL PROPERTIES

DESCRIPTION	PROPERTY	RESULT
Component A	Density	1.04 g/cm ³
Component B	Density	1.16 g/cm ³
Corian® Joint Adhesive Ratio 10:1 of Component A: Component B	Viscosity ^a	100 - 130 P
	Working Time ^b	11-12 min
	Fixture Time ^c	21 - 22 min
	Sanding Time ^d	30-60 min

a Brookfield DVIII Ultra, Spindle - HA7, Shear rate - 6.32 rpm, Temperature - 21°C. Thixotropic. Viscosity will vary with temperature and shear rate.

b At 21°C (70°F), will vary with temperature. Working time defined as time from mixing to when the adhesive is set up.

c At 21°C (70°F), will vary with temperature. Fixture time defined as time from mixing to when the assembly can be unclamped.

d At 21°C (70°F), will vary with temperature. Sanding time defined as time from mixing to when the assembly can be sanded.

CURED ADHESIVE PHYSICAL PROPERTIES

Corian® Joint Adhesive was allowed to cure 3 days at room temperature (70°F, 21°C) prior to evaluation.

TYPICAL BOND STRENGTH (CORIAN® SOLID SURFACE)

PROPERTY	METHOD	RESULT
Flexural Strength	ASTM D790 (ISO 178)	8900-9300 PSI (61-64 MPa)
Tensile Strength	ASTM D638 (ISO 527)	5000-5600 PSI (34-39 MPa)

PRODUCT INFORMATION

Before use, all users should review the product SDS available at <http://msds.dupont.com> for hazard information and guidance on proper protective equipment. Corian® Joint Adhesive is flammable. Keep away from heat, sparks, open flame and other sources of ignition. It should only be used in well ventilated areas.

Corian® Joint Adhesive is optimized for use at room temperature. Lower temperature will reduce the cure rate, while elevated temperature will increase cure rate and reduce working time. Corian® Joint Adhesive may be used with manual or pneumatic dispensers. Refer to dispenser instructions for guidance on use. Additional information is available in Corian® Solid Surface Fabrication/Installation Fundamentals - Adhesives (K-25290).

The adhesive should always be used by its expiration date as shown on the label.

Daaaaaaaa Color Name
EXP UKmmmm-nnn DD/MM/YY
xxxxxxx yyyy

Daaaaaaaa	product code
mmmm-nnn	manufacturing code
DD/MM/YY	day of expiration (day/month/year)
xxxxxxx yyyy	manufacturing code

If needed, report the entire code to report quality issues.

CORIAN® JOINT ADHESIVE FOR USE WITH SOLID SURFACES

PROFESSIONAL USE ONLY

Corian® Joint Adhesive should only be used by personnel who have reviewed the SDS, instructions on use and are wearing the proper protective equipment.

KEEP OUT OF REACH OF CHILDREN.

STORAGE

To insure the longest shelf life, the adhesive should be stored in a well-ventilated room, in the dark. The recommended storage temperature range for Corian® Joint Adhesive is 41-73°F (5-23°C). Cartridges should be stored on their sides. Follow local regulations for flammable material storage. Use precautions during transport, as vehicles can rapidly reach elevated temperatures. Exposure to elevated temperatures will shorten shelf life. Do not place in freezer.

Storage, transportation, and disposal must be in accordance with applicable regulations. Do not flush to surface water or sanitary sewer system. Do not incinerate in closed containers.

REFERENCE STANDARDS

ASTM D790, *Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials*

ASTM D638, *Standard Test Method for Tensile Properties of Plastics*

ISO 178, *Plastics - Determination of flexural properties*

ISO 527, *Plastics - Determination of tensile properties*

REFERENCE DOCUMENTS

Corian® Solid Surface Fabrication/Installation Fundamentals – Adhesives (K-25290)

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