Corian®

DUPONT™ JOINT ADHESIVE 2.0

FOR USE WITH QUARTZ AND SOLID SURFACES

PRODUCT DESCRIPTION

DuPont™ Joint Adhesive 2.0 is a specially formulated two-part reactive seam adhesive to be used with DuPont surfacing materials. DuPont™ Joint Adhesive 2.0 is available in 50 mL, 250 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.

DuPont™ Joint Adhesive 2.0 meets the Low VOC emission limit requirements of South Coast Air Quality Management District (SCAQMD) Rule 1168. DuPont™ Joint Adhesive 2.0 is GREENGUARD and GREENGUARD Gold certified. DuPont™ Joint Adhesive 2.0 can be considered a low-emitting material that will not negatively impact indoor air quality.

TYPICAL ADHESIVE PHYSICAL PROPERTIES

Description	Property	Result
Component A	Viscosity[1]	250-350 Poise
	Specific Gravity	1.2
Component B	Viscosity[2]	10-15 Poise
	Specific Gravity	1.2
Joint Adhesive Ratio 10:1 of Component A: Component B	Working Time[3]	10-15 min
	Fixture Time[3]	18-21 min

[1]Brookfield LV DV-E, #64 Spindle at 12 rpm, 75°F (24°C)

[2]Brookfield LV DV-E, #63 Spindle at 30 rpm, 75°F (24°C)

[3]Working time is the amount of time from mixing to when the adhesive is set up.

CURED ADHESIVE PHYSICAL PROPERTIES

DuPont™ Joint Adhesive 2.0 was allowed to cure 3 days at room temperature (72°F, 22°C) prior to evaluation.

TYPICAL BOND STRENGTH (CORIAN® SOLID SURFACE)

Property	Method	Result
Flexural Strength	ASTM D790	9000-9300 PSI (62-64 MPa)
Tensile Strength	ASTM D638	6600-6700 PSI (45-46 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. DuPont™ Joint Adhesive 2.0 is flammable. Keep away from heat, sparks, open flame and other sources of ignition. It should only be used in well ventilated areas.

DuPont™ Joint Adhesive 2.0 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. DuPont™ Joint Adhesive 2.0 may be used with manual or pneumatic dispensers. Refer to dispenser instructions for guidance on use. Additional information is available in *DuPont™ Corian® Solid Surface Fabrication/Installation Fundamentals – Adhesives* (K-25290).

The adhesive should always be used within two years of manufacture. The expiration date is part of the production code as described in the table below.

Table B-1

EXP DATE USMMYY-nnn xxxx	
MM	month of expiration 01-12
YY	year of expiration (20YY)
nnn & xxxx	manufacturing information (use if needed to report quality issues)

For example, a cartridge with US1017 012 should be used by October, 2017.

PROFESSIONAL USE ONLY

DuPont™ Joint Adhesive 2.0 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.

DUPONT™ JOINT ADHESIVE 2.0 FOR USE WITH QUARTZ AND SOLID SURFACES

STORAGE

To insure the longest shelf life, the adhesive should be stored in a well-ventilated room, in the dark, at 75°F (24°C) or lower. 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. In order to minimize viscosity issues, the adhesive should be stored above 55°F (13°C).

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

ASTM C961, Standard Test Method for Lap Shear Strength of Sealants

REFERENCED DOCUMENTS

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

This information was based on tests conducted by DuPont. We believe this information to be reliable, but do not guarantee its accuracy, nor assume any liability. Typical properties are intended as examples and the user by accepting these products agrees to be responsible for testing any products and applications before committing to production.

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