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Bostik
smart adhesives

70-08A

HIGH QUALITY AND HIGH STRENGTH ADHESIVE

KEY FEATURES

- High green strength
- Primerless adhesion
- Passes FMVSS 212 requirements for glass glazing

DESCRIPTION

Bostik 70-08A is a high quality product based on Silyl Modified Polymer (SMP), especially developed for bonding windscreens. Bostik 70-08A provides a rapid and efficient way to fasten many different materials for OEM, coach works, mobile units, etc., especially where immediately or shortly after installation objects have to be moved during the manufacturing process. Bostik 70-08A conforms to FMVSS 212.

Immediately after installation the product has a high green strength (a high internal strength), which results in a very heavy paste with an extremely good slump resistance. Reaction starts with moisture and results in an irreversible, vulcanised adhesive. The high green strength coupled with the high tack makes the product very suitable for those applications where the parts have to be transported immediately or shortly after installation.

FEATURES

- Bostik 70-08A adheres well without primer on glass and no UV resistant primer is needed when the glass-adhesive interface is UV-protected by a ceramic coating
- In general, good adhesion on several substrates without the use of a primer
- Solvent, isocyanate and PVC free
- Very good UV resistance and aging properties
- Permanently elastic within temperatures from -40°F to 248°F (-40°C to 120°C)
- Neutral and odorless curing
- Low volume shrinkage
- Low electrical conductivity

BASIC USES

Bostik 70-08A can easily be extruded with a hand or air pressure gun at temperatures between 41°F to 95°F (5°C to 35°C). The speed of application can be improved by heating up to 158°F (70°C) maximum. For good adhesion,



TYPICAL PHYSICAL PROPERTIES

Description	Results
Basic Material	Silyl Modified Polymer
Curing Method	Moisture
Specific Gravity	Approx. 1.4 g/ml
Skin Forming Time	10 min.
Open Time	<15 min.
Curing Speed After 24 hrs.	0.125 in (3mm)
Shore A Hardness	Approx. 65
Volume Change	<3%
Green Strength	Approx. 1800 Pa
Tensile Stress (100%)	300 psi (2.1 MPa)
Tensile Stress at Break	420 psi (2.9 MPa)
Elongation at Break	Approx. 225%
Shear Strength	360 psi (Approx. 2.5 MPa)
Tear Propagation	Approx. 13 N/mm
E-Modulus (10%)	623 psi (4.3 MPa)
Solvent	0%
Isocyanate	0%
Temperature Resistance	40°F to 248°F (-40°C to 120°C)
Temperature Resistance	356°F (180°C)
Application Temperature	41°F to 95°F (5°C to 35°C)
UV and Weather Resistance	Very Good
Colors (standard)	Black
Packaging	20 oz Sausage, 5 Gal Pail, 52 Gal 290 ml Cartridge, 400 ml Sausage

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a clean, dry and grease free surface is necessary. Cleaning of the ceramic coated layer can be done with Primer M (a one-step pretreatment) or Isopropyl alcohol. The pretreatment with Primer M is also adequate for many closed surfaces like aluminum, coated steel, and polyester (GRP). For more details concerning Primer M, consult the specific Technical Data Sheet.

Within a few minutes after applying Primer M, the screen can be bonded. The screen has to be bonded within 15 minutes after applying Bostik 70-08A. The drying time of the 'wash primer' can be reduced to seconds if a hot air blower is used. When no ceramic coating is available or the ceramic coating doesn't supply sufficient UV protection, Primer G is needed after the screen has been cleaned with isopropyl alcohol, unless a cover shields the glass-adhesive interface from UV radiation.

Cleaning tools or removing uncured residue of Bostik 70-08A can be done with a clean colorless cloth, wetted with isopropyl alcohol (IPA). Check substrate compatibility with IPA before proceeding.

PACKAGING

For packaging options please call your Bostik sales or technical representative.

SHELF LIFE

Bostik 70-08A may be stored in a closed (unopened) container in a dry place at temperatures between 41°F to 86°F (5°C to 30°C) for 9-18 months dependent on package size.

HEALTH AND SAFETY PRECAUTIONS

Please refer to the SDS for complete details.

LIMITED WARRANTY

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BOSTIK HOTLINE

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