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Bostik
smart adhesives

70-07A

SPRAYABLE SEAM SEALER

KEY FEATURES

– Solvent free
– Gapfilling
– Paint compatible

DESCRIPTION

70-07A is a solvent-free, low viscous, sprayable sealant based on Silyl Modified Polymer (SMP) with a special spray structure for sealing overlapping seams, welded seams and construction seams in automotive and coach work.

APPLICATIONS

- Sealing of welded, overlap, and construction seams
- Overlaps of seams between PVC and metal
- For coating inside car wings, boots and bonnets and even as under-body coating
- As repair material in all above mentioned applications
- Sealing narrow seams and sealing small holes
- As a vibration reducing coating

KEY FEATURES

- Solvent-, isocyanate- and PVC-free
- Very good UV resistance and aging properties
- In general, good adhesion on several substrates without the use of a primer
- Permanent elastic within temperatures from -40°F to 212°F (-40°C to +100°C)
- Neutral, odorless and fast curing
- Paint compatible with most industrial paint or lacquer systems, both alkyd resin and dispersion based (due to the large scale of different types of industrial paints a paint compatibility test is recommended)
- Paintable after skin forming (wet-on-wet); this will not influence the cure rate
- Contributes to corrosion protection; does not attack metals
- By adjusting the spray pressure and nozzle, it is possible to obtain a rough or a fine spray structure



ADHESION

In general, 70-07A adheres well without primer on clean, dry, dust and grease free substrates of aluminum, stainless steel, galvanized steel, zinc, copper, brass, powder coated metal, most lacquered metal surfaces, glass, PVC, polyester (GRP), painted and lacquered wood, etc. No adhesion on untreated polyethylene, polypropylene and Teflon. In those cases where due to great thermal or physical loads, especially under wet conditions, high adhesion demands are needed, the use of Primer M is recommended. Primer M is a so called “wash primer” and degreases and prepares the surface of the substrate in one step. For more details concerning Primer M, consult the specific technical information data sheet. For substrates not mentioned and for additional information consult Bostik.

METHOD OF USE

70-07A is sprayed by means of an appropriate air pressure gun with adjustable nozzle at a distance of 12-15 inches (30-40cm) from the object. By adjusting the nozzle and the air pressure it is possible to obtain a smoother (orange peel) or a rougher structure. It is recommended to make a small trial first, so that the proper combination of nozzle and pressure can be determined in order to obtain the desired final result.

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STORAGE STABILITY

70-07A may be stored for 18 months (in cartridges) in a closed (unopened) container in a dry place at temperatures between 41°F to 86°F (+5°C to +30°C).

HEALTH AND SAFETY PRECAUTIONS

The Safety Data Sheet should be consulted for proper handling, clean-up, and spill containment before use. Keep containers covered to minimize contamination. For FDA regulations and additional clearances, please contact the Regulatory Affairs Department at 414-774-2250.

TECHNICAL DATA[1]

Description	Results
Basic Material	Silyl Modified Polymer (SMP)
Curing Method	Moisture
Specific Gravity	ca. 1.4 g/mL
Skin Forming Time	ca. 30 min.
Curing Seed after 24 hours	0.079 in. (ca. 2 mm)
Shore A Hardness	ca. 45
Volume Change	<4%
Green Strength[2]	ca. 35 Pa
Tensile Stress (100%)	160 psi (ca. 1.1 MPa)
Tensile Stress at break	220 psi (ca. 1.5 MPa)
Elongation at break	ca. 175%
Shear Stress[3]	160 psi (ca.1.1 MPa)
Tear Propagation[4]	ca. 6 N/mm
Solvent Percentage	0%
Isocyanate Percentage	0%
Temperature Resistance	-40°F to 212°F (-40°C to +100°C)
Application Temperature	41°F to 95°F (+5°C to +35°C)
UV and Water Resistance	Excellent
Colors (Standard)	Grey, Black
Packaging	9.81 oz. (290mL) Cartridges, other packaging on request

[1] Values given above are not intended to be used in specification preparation.
[2] Maximum load which can be applied per m^2 uncured adhesive without sagging.
[3] Aluminum-to-aluminum; adhesive thickness 2mm, test speed 50 mm/min.
[4] Type C, test speed 500 mm/min.

LIMITED WARRANTY

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BOSTIK HOTLINE

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