



## technical data sheet

# SEAL N FLEX DIY AUTO / MARINE

### PRODUCT

Bostik Seal N Flex Auto / Marine is a high performance, fast curing adhesive and sealant suitable for Automotive and Marine Applications.

### DESCRIPTION

Seal N Flex Auto / Marine provides exceptional adhesion capabilities suitable for a wide range of industrial, automotive and marine applications. Seal N Flex Auto/ Marine has excellent water resistant properties and can be used in contact with salt and fresh water. Seal N Flex Auto/ Marine is also resistant to dilute acids, some solvents and intermittent contact with diesel and petroleum. Seal N Flex Auto/ Marine has exceptional noise, vibration and impact dampening properties.

### RECOMMENDED USES

- Car body repair and construction.
- Marine – Commercial and pleasure craft, eg. perimeter sealing of door and window framing, sealing around fixings.
- Bonding of plastic and ceramic car body parts and emblems.
- Automotive structural adhesive in bus, truck and industrial vehicle assembly.
- Sealing, bonding, bedding fittings, windows, skin/through hull fittings on boats.
- Air conditioning and refrigeration applications.
- For bonding sheet metal, aluminum, stainless steel, ABS, GRP, ceramics, injection moulding PU and PVC as well as timber.

### FEATURES & BENEFITS

- Fast tack free time & curing.
- High bond strength.
- Internal and external application.
- Paintable and sandable.
- Up to +/-25% joint movement.
- Excellent adhesion and sealing properties.
- Good chemical resistance.
- Excellent water resistance.
- May be used in contact with both sea and fresh water.
- Excellent resistance to weathering and aging.
- Exceptional noise vibration and impact dampening characteristics.
- Excellent acoustic properties.
- Slump resistant.
- Resistant to fungal attack.
- Australian Made.

### PERFORMANCE PROPERTIES

Typical properties after seven days cure at 25°C & 50%RH

Appearance	Non-sag smooth Thixotropic paste
Colour	White, Grey and Black
Chemical resistance	Resistant to dilute acids & alkalis, some solvents, intermittent contact with diesel and petroleum.
Application Temperature	+5°C to +35°C
Full Cure	7 days at 25°C and 50% RH
Tool Working Time	30 minutes
Specific Gravity	1.23 ± 0.03
Tack Free (skin time)	45 minutes
Service Temperature	-30°C to +80°C continuous
Potable water approval	AS4020

### PACKAGING

Bostik Seal N Flex Auto/ Marine is supplied in 365gm cartridges.

### COVERAGE

The coverage below is approximate and is dependant on substrate conditions.

Pack Size	Lineal Mtrs		
	3mm bead	6mm bead	20mm bead
365gm Ctg.	33	8	1.5

### APPLICATION INSTRUCTIONS

#### Surface Preparation

Remove all dirt, dust and loose materials by vigorously wire brushing. Remove all rust, scale and protective coatings from metal surfaces and clean off any oil or grease using acetone.

DO NOT USE METHYLATED SPIRITS.

Application to some substrates, such as stainless steel: adhesion will be improved with the use of a primer.

For additional information please contact Bostik.

#### Application

Cut tip off cartridge. Pierce foil inside cartridge, screw nozzle onto cartridge and insert into caulking gun. Cut nozzle at desired 45° angle.

Apply Seal N Flex Auto/Marine in a continuous operation, using positive pressure fill and seal a cavity in a forward motion. Ensure adhesive thickness is no less than 1mm. Seal N Flex Auto/ Marine is tack free within 45 minutes with full cure occurring in 7 days.

Excess Seal N Flex Auto/Marine should be wiped from all surfaces while still uncured. Alternatively, mask all critical areas. Cured adhesive is usually difficult to remove without altering or damaging the surface to which the adhesive has been incorrectly applied.

**PRECAUTIONS**

- May be used for joints subjected to constant immersion provided Seal N Flex Auto/Marine has achieved full cure (7 days at 20°C) prior to immersion.
- May be painted over after full cure, however Seal N Flex Auto/ Marine is not recommended for use under solvent based coatings such as gloss enamels. A field test is recommended to ensure compatibility. (Refer paintability statement below).
- Seal N Flex Auto/ Marine should not be applied to surfaces with special protective or cosmetic coatings such as mirrors, reflective glass surfaces coated with Teflon without prior consultation with a Bostik representative.
- Should not be applied using wet tooling techniques. Using solvents, water, detergent or soap solutions is not recommended
- Do not apply, store or cure Seal N Flex Auto/Marine in areas where unusually high humidity or free water are present. Avoid contact with water during application and initial cure.
- Not suitable for caulking timber decks.
- Seal N Flex Auto/Marine should not be used in highly chlorinated areas such as swimming pools, spas etc. without prior consultation with a Bostik representative.
- Do not apply at temperatures below 5°C and temperatures above 35°C.
- Ensure cartridge temperature and contents are between 10°C and 30°C prior to applications. This will eliminate application or curing problems.
- Do not use as a windscreen sealant.
- White coloured sealant may yellow over time.
- Do not use for structural glazing.

**PAINTABILITY**

Seal N Flex Auto/Marine can be painted as early as 24 hours after application. For sections less than 3mm thickness, Seal N Flex Auto/Marine may be painted in over 24 hours. For sections greater than 3mm thickness, Seal N Flex Auto/Marine may be painted 48 hours after application.

Paint or coatings containing high solvent e.g.: Gloss enamels or high oil based coatings undercoats may remain tacky. To obtain best appearance and performance, the paint must approximate the elongation capabilities of Seal N Flex Auto/Marine. Thin or watered down coatings will surface craze very quickly upon movement. High build coatings with some elastomeric ability such as quality acrylic emulsions have the capability to absorb low movement without significant distortion of the paint film.

For additional information, contact a Bostik representative.

**HEALTH AND SAFETY**

Avoid breathing vapour and spray mist. Wear overalls, safety shoes, impervious gloves and safety glasses. Use only in well ventilated areas. If inhalation risk exists wear organic vapour respirator. Avoid contact with food stuffs, and sources of heat and ignition. Wash hands after use. Store away from oxidising agents.

**FIRST AID**

If poisoning occurs, contact a Doctor or Poisons Information Centre (Phone Australia 131 126 NZ 0800 764 766). If inhaled remove from contaminated area and seek medical advise.

**CLEAN-UP**

Clean tools and equipment with paint thinners before product cures. Excess sealant can be removed by using Bostik Handi-Clean Towels, a dry cloth or solvent before the product cures.

DO NOT USE METHYLATED SPIRITS

**STORAGE**

12 months in original unopened container if stored between 5°C and 30°C.

**SEAL N FLEX AUTO/ MARINE**

ITEM NO.	STOCK SIZE
329002	Seal N Flex Auto/ Marine Black 365gm
328995	Seal N Flex Auto/ Marine Grey 365gm
329010	Seal N Flex Auto/ Marine White 365gm

*The representations and recommendations regarding the products are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with a limited warranty only, and on the condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Bostik Australia Pty Ltd be liable to anyone except for replacement of the products or refund of the purchase price.*

**ALL SALES ARE EXPRESSLY LIMITED TO THE TERMS AND CONDITIONS OF SALE OF BOSTIK AUSTRALIA PTY LTD**

**FOR FURTHER INFORMATION**



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