

TECHNICAL DATA SHEET

DOLPHIN FIX & SEAL 200

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PRODUCT DESCRIPTION

Dolphin Fix & Seal 200 is a high quality, neutral, elastic, single component adhesive sealant based on Hybrid Polymer.

TECHNICAL PROPERTIES



Properties	Test Method	Specifications
Chemical Base	-	Hybrid
Cure Mechanism	-	Moisture Curing
As Supplied @ 25°C, 50% RH	-	-
Color	-	White
Consistency	-	Stable paste
Density	ASTM D 1475	1.42 ± 0.02 g/ml
Skin over time*	(at 25°C, 50% R.H.)	Approx 15 min
Tack Free Time*	(at 23°C, 50 % R.H.)	Approx 30 min
Flow (Sag or Slump)	ASTM C 639	Non-sag
Depth Cure - 24 hrs*	Lab Test	Approx 2.4 mm
As Cured – 7 Days @ 25°C, 50% RH	-	-
Hardness** (Shore A)	ASTM D 2240	28 - 32 Shore A
Tensile Strength**	ASTM D412	1 – 1.5 N/mm ²
Elongation at break**	ASTM D412	> 600 %
Temperature resistance**	-	-20°C to +80°C
Application Temperature	-	+5°C to +40°C

Note:

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

** This information relates to fully cured product.

(Information on this data sheet is subject to change without prior notice and should not be used for writing specifications)

(Curing time may vary depending on climatic condition during application)

PROPERTIES

- Very good adhesion on many materials without priming
- Fast curing & permanently elastic
- No odour
- Paintable
- Excellent weather and UV resistance
- Ease of application

APPLICATIONS

- Sealing and bonding in the building and construction industry
- Seal in concrete construction joints
- Perimeter joints in doors and windows
- Sealing of skylights and gutters
- Air conditioning equipment, flashing and gutters
- Corner moldings, bumper assemblies, fabrication joints

Application method	Application method: With manual or pneumatic caulking gun Cleaning: Clean with Surface Cleaner, immediately after use Finishing: With a soapy solution or Dolphin Finishing Solution before skinning Repair: With the same material Note: Cured sealant can only be removed mechanically																							
Packaging	Color: White Packaging: 600 ml Sausages																							
Storage and Shelf life	12 months in unopened packing in cool and dry storage place at temperatures at or below 30°C.																							
Substrates	Substrates: Compatible with most standard construction materials and metals. Condition of surface: Must be stable, clean, dry, and free from dust, grease, or any loose particles. Surface preparation: Dolphin Fix & Seal 200 bonds effectively to a wide range of substrates. For applications where joints are subjected to severe weather, continuous water contact, or heavy loading, additional surface preparation is strongly advised. Before applying the sealant, ensure all contact areas are completely free from dust, dirt, oil, rust, or other contaminants. Non-porous surfaces should be wiped with a suitable solvent using a clean, lint-free cloth, followed immediately by a second dry cloth to remove any residue before evaporation occurs. There is no adhesion on PE, PP, PTFE (Teflon®), or bituminous substrates. It is recommended to perform preliminary adhesion and compatibility tests on each substrate before use																							
Joint dimensions	Length in meter per 600 ml sausage: $L = 600 / (W \times D)$ <table><tr><td>Joint width – W (mm)</td><td>10</td><td>12</td><td>15</td><td>20</td><td>25</td></tr><tr><td>Joint depth – D (mm)</td><td>6</td><td>8</td><td>8</td><td>10</td><td>12</td></tr><tr><td>Joint length – L (m/600 ml)</td><td>10</td><td>6.2</td><td>5</td><td>3</td><td>2</td></tr></table>						Joint width – W (mm)	10	12	15	20	25	Joint depth – D (mm)	6	8	8	10	12	Joint length – L (m/600 ml)	10	6.2	5	3	2
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Health and Safety recommendations	Take the usual labor hygiene into account. Consult label and material safety data sheet for more information.																							
Liability	The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.																							
Remarks	Dolphin Fix & Seal 200 is generally paintable with most water-based coatings; however, given the wide variety of paints and varnishes on the market, a prior compatibility test is strongly recommended. Dolphin Fix & Seal 200 is not suitable for use as a structural sealant, nor should it be applied in areas subject to permanent water immersion. Compatibility testing before application is advised in all cases. Dolphin Fix & Seal 200 offers excellent UV resistance, though discoloration may occur under extreme conditions or after prolonged UV exposure. Application should not be carried out on contaminated substrates. Direct contact with bitumen, tar, or materials that release plasticizers (such as EPDM, neoprene, butyl, etc.) must be avoided, as this can cause staining and loss of adhesion																							

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