

TECHNICAL DATA SHEET

DOLPHIN POWERBOND INSTANT GRAB

Revision Date: 17th Feb 2023

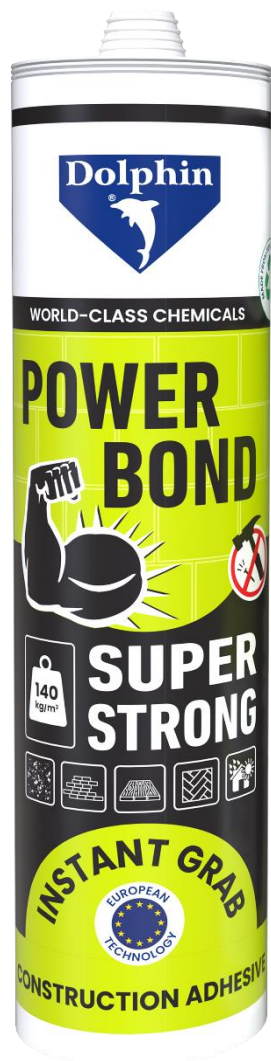
Revision No 00

Number of Pages : 2

PRODUCT DESCRIPTION

Dolphin Powerbond Instant Grab is a ready to use, solvent free construction adhesive with a high initial tack (140 kg/m²) and high end strength. Extremely suitable for porous surfaces.

TECHNICAL PROPERTIES



Properties	Test Method	Unit	Specifications
Chemical Base			Acrylic Dispersion
Cure Mechanism			Physical drying
Color			White
Consistency	-		Paste
Density	ASTM D 1475	g/ml	Ca.1.30 ± 0.02
Flow Properties	ASTM C 639	mm	0 (Non-sag)
Open Time*	23°C, 55% R.H	minutes	Approx. 15
Initial tack		Kg/m ²	At least 140
End strength wood to wood		Kg/cm ²	Ca. 22
End strength wood to aluminium		Kg/cm ²	Ca. 16
End strength wood to PVC		Kg/cm ²	Ca. 12
Temperature resistance**	-	°C	-20°C to +70°C.
Application Temp.	-	°C	5°C to 30°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)

PROPERTIES	APPLICATIONS
<ul style="list-style-type: none"> Solvent free Suitable for bonding on uneven surfaces. Initial tack: 140 kg/m² (full surface bonding) Direct application onto one substrate Paintable with water based paints Moisture resistant. Paintable with water based paints. 	<ul style="list-style-type: none"> Very good adhesion on all usual porous building surfaces. Suitable for solid fixing of materials like wood, synthetic materials, stone, wall tiles, metal on surfaces of concrete, stone, plasterwork, wood, chipboard etc. Suitable for bonding panel work, panels, skirting boards of wood and PVC, cabletray and the most frequent decoration materials.

Packaging	Colour: White Packaging: 350 gram
Storage and shelf life	At least 24 months in unopened packaging in adry storage place at temperatures between +5°C and +25°C.
Substrates	Substrates: All usual building substrates Nature: Clean, free of dust and grease. At least one of the materials to be bonded must be porous. Surface preparation: No pretreatment required. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary adhesion test on any substrate.
Application Method	Application method: Apply the adhesive by means of a caulking gun in equal beads or dots on one of the materials that have to be glued. Always apply a bead on the edges of the components and on edges and corners of panels. Press the surfaces immediately together and batten down with a rubber hammer. Support if needed. The bond may be loaded after 24-48h. Cleaning: Before curing, Dolphin Powerbond Instant Grab can be removed with water from tiles and tools. Cured Dolphin Powerbond Instant Grab can only be removed mechanically. Repair: With the same material.
Health and Safety recommendations	Take the usual labour hygiene into account. Consult label and material safety data sheet for more information.
Remarks	<ul style="list-style-type: none"> The applied pressure and not the duration of the compression will determine the ultimate strength of the bond. Do not use in applications where continuous water immersion is possible.