

# Insta-Bond

## A fast, effective bonding system



**A fast, effective bonding system that works on almost any substrate, even under water**

### What is Insta-Bond?

Insta-Bond is an amazing new bonding system which is hard-wearing, easy to use, and forms an extremely strong bond between wet or dry surfaces. It will even cure firmly when completely underwater, making it ideal for many plumbing and maritime applications.

It is non-staining and works on glass, metals, plastics, concrete and practically any other surface and building material. It is highly resistant to movement and vibration, durable and is versatile both indoors and out.

### How does Insta-Bond work?

Insta-Bond is based on hybrid technology and uses modified silicone, that when comes into contact with water or moisture, actually helps to speed up the curing process.

The result is a bonding system that works on virtually any substrate, forming a strong, flexible bond that is resistant to movement and vibration.

### Key features and Benefits of Insta-Bond

- Resistant to slumping or sagging.
- Bonds to wet or dry surfaces, even curing under water.**
- Fast curing and fast strengthening, high mechanical resistance and ultimate strength.
- Adhesion to most surfaces including metals, plastics, glass, concrete.**
- Resistant to movement.
- Non-corrosive to metals.**
- Free of isocyanate, solvents and silicone – no odour.
- Paintable with water based and synthetic paints.**

Good resistance to discolouration, UV, weather, water, moisture and ageing.

**Versatile both indoors and out – glue, seal and install practically anything with a single product.**

Stretches up to 300% at breaking point.

**2-3mm of Insta-Bond will fully cure in 24 hours.**

Skins over in just 10 minutes.

### Application Conditions

Ensure that the ambient and surface temperature is between +5°C and +40°C throughout application.

Ensure that Insta-Bond is applied on a stable, clean, uncontaminated, and grease-free and dust free surface.

Not suitable for PE, PP, PC, PMMA, PTFE, soft plastic, neoprene or bituminous surfaces.

Apply pressure to the joint while curing and support heavy objects until curing is complete.

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### Health and Safety

Before use, it is important that you have read the Safety Data Sheet in its entirety and the appropriate PPE is worn during use.

### Technical information

Base	Hybrid, paste
Application temperature	+5°C and +40°C
Service temperature	-40°C and +100°C
Skin formation time	10 minutes @ 23°C and 55% RH
Curing time	24 hours – 2-3mm @ 23°C and 55% RH
Movement capability	25%
Shore A Hardness	60 (DIN 53505)
Modulus of Elasticity	1.6 N/mm <sup>2</sup> (DIN 53504)
Tensile Strength	2.70 N/mm <sup>2</sup> (DIN 53504)
Shear Strength	2.5 N/mm <sup>2</sup> (ISO 4587)
Stretch at breaking point	300% (DIN 53504)
Storage conditions	Store in a cool dry place between +5°C and +25°C
Shelf life	15 months from date of manufacture if stored as directed

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