

**HIPPO<sup>®</sup>**

**PRO<sup>®</sup>**

**3**



**USER GUIDE**



## Hippo PRO3 Adhesive, Sealant & Filler

PRODUCT CODE	EAN	COLOUR
H18510	5060084185104	White
H18511	5060084185111	Clear
H18512	5060084185128	Brown
H18513	5060084185135	Black
H18514	5060084185142	Grey
H18515	5060084185159	Natural

### PRODUCT DESCRIPTION

Hippo PRO3<sup>®</sup> is an amazing one part, chemically curing, solvent free, 3 in 1 adhesive, sealant and filler. Manufactured for professionals to replace multiple products with just one tube PRO3<sup>®</sup> uses the latest hybrid polymer technology to bond and seal virtually anything, even in extreme wet conditions.

### KEY BENEFITS

- Incredible initial grab with no slip. Excellent sealant and gap filling properties.
- High bonding strength.
- Interior and exterior use.
- Can be applied to wet surfaces.
- Will cure fully whilst underwater.
- Totally waterproof & weatherproof.
- Quick curing (Skin time / touch dry from 10 mins)
- Overpaintable if required.
- Solvent free.
- Resistant to temperature extremes -50°C to +150°C (Clear +70°C)

- Can be used in all salt-water environments.
- Permanently flexible +/- 12.5% movement
- Resistant to chemicals & petrol (10% dilute acids/alkalis, most solvents).
- Excellent primer less adhesion to most surfaces, including metals, most plastics, glass, concrete, plaster, plasterboard, polyester, perspex, glass, wood, enamel, painted surfaces, lead, fibreglass, carbon fibre etc.
- Matt sandable finish.

## AREAS FOR USE

Sealing and bonding in almost every application imaginable. The following are just some examples. As a high quality nail and screw replacement adhesive, even on damp surfaces. Fixing natural stone counter tops. External roof and gutter repairs. Seal lead flashing. Perimeter pointing around doors and windows. Sealing vertical expansion joints, jointing cladding panels and bonding difficult materials such as specialised polymer systems, metals, fibreglass and carbon fibre. Bonding mirrors - will not attack the coating on the back of the mirror.

Also any application requiring localised resistance to chemical spillages (eg. factories, workshops and garage forecourts).

## LIMITATIONS

- Use on overhead applications – Always use in conjunction with mechanical fixings.
- Use in conjunction with mechanical fixings for larger heavy mirrors.
- For heavier items temporary support may be required until the adhesive has dried.
- Do not seal mirror edges/plastic sheeting until adhesive has cured.
- In areas of high UV; some darkening/discolouration may occur. This does not affect the performance of the sealant.
- Do not use on surfaces that bleed oils or plasticizers.
- It is the user's responsibility to determine suitability for use. If in doubt, please contact our Technical Services Department for advice.
- Not for use as part of a structural glazing system.
- Not for use in aquarium manufacture.
- Not for use in conjunction with bitumen, or asphalt.
- Yellowing can occur in predominantly dark conditions (White)

## SURFACE PREPARATION

All surfaces must be clean, dry and dust free. All loose or flaking surface coatings, old sealant and mastic joints, should be removed before application.

## APPLICATION

### Adhesive

Surfaces must be sound, clean, dry and free from dust, grease, loose material etc. Prime excessive dusty surfaces with Hippo PVA diluted 1:4 with water and allow to dry.

Cut the tip off the cartridge taking care not to damage the thread. Fix nozzle to the cartridge and cut the aperture to the desired bead thickness. Apply using a standard cartridge gun.

For bonding heavy items apply adhesive around the item (30 - 50mm from edge) and cover back with beads of adhesive at 300mm intervals. Alternatively, apply adhesive direct to battens and press into place. NOTE: With heavy items, you may need to provide temporary support until the adhesive dries.

For bonding lightweight items apply adhesive to back of item in one or two continuous beads and press immediately into place.

In all cases, clean up excess PRO3 immediately.

### Fixing mirrors

Apply 6mm diameter beads of PRO3 directly to the back of mirror in vertical strips, spaced at 30 - 40mm intervals. Immediately place mirror in position and secure with good, even pressure with a slight twist action. Provide temporary support until the adhesive has dried (24 - 48 hours depending on environmental conditions). If required, PRO3 may also be used to seal around mirror 24 hours after fixing.

### Sealant

Ensure that the joint design only permits adhesion to two surfaces, as three sided adhesion will impair flexibility.

Apply at an angle of 45° with an opening slightly larger than the gap to be sealed. Best results will be obtained by keeping an even pressure on the gun trigger and keeping the gun at a constant angle to the surface being sealed.

Smooth down within 10 minutes of application. To ensure a proper bond, always smooth PRO3 down using a spatula or piece of wood dampened with a soap and water solution.

An improved appearance can be achieved by placing Hippo masking tape to both sides of the joint and removing within 5 minutes of application.

## Filler

Where gap filling is required, note the areas where there is a large gap and apply a thicker bead to these areas. If necessary reduce depth using expanding foam, packing material or a joint backer rod.

## SPECIFIC DATA

<b>FORM</b>	Paste (ready to use)
<b>DENSITY</b>	1,50 ± 0.05 (1.050 ± 0.05g/cm <sup>3</sup> clear)
<b>APPLICATION TEMP</b>	+5 to +35°C.
<b>SKIN FORMATION</b> (At 23 °C & 50% RH)	10 - 30 mins
<b>SAGGING</b> (ISO 7390)	Nil.
<b>CURING</b> (At 23 °C & 50% RH)	> 3mm / 24 hours
<b>SHORE A HARDNESS</b> (ISO 868 - 3 seconds)	55-60 (45-55 clear)
<b>MODULUS</b> (100 % elongation - ISO 8339)	> 1 MPa
<b>ELONGATION AT BREAK</b> (ISO 8339)	> 60%
<b>TENSILE STRENGTH</b> (ISO 8339)	> 1.5 MPa
<b>SHRINKAGE</b> (ISO 10563)	< 2%
<b>SERVICE TEMP</b>	-50 to +150°C.
<b>CHEMICAL RESISTANCE</b>	Excellent
<b>UV RESISTANCE</b>	Excellent
<b>PAINT COMPATIBILITY</b>	Water based: Yes Solvent based: Test compatibility
<b>COVERAGE</b>	Approx 11 linear meters per cartridge
<b>SHELF LIFE</b>	12 months when stored in unopened containers under cool dry conditions. AVOID FROST.

## HEALTH & SAFETY

Consult Material Safety Data Sheet for full list of hazards

## STORAGE

Store in original unopened containers between 5 and 25°C

## NOTES

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired.

Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application.

Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.

*Passionate About Quality*

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