

Code	Description	Size	Colour
20300	FixAll HG MS Adhesive	80ml	White
20301	FixAll HG MS Adhesive	290ml	Black
20302	FixAll HG MS Adhesive	290ml	Grey
20303	FixAll HG MS Adhesive	290ml	White

1. Description

FixAll® HG is a high quality, single component product with high adhesive strength and initial tack. It is based on MS Polymer technology.

2. Characteristics

- High initial tack reducing the need for initial support.
- Fast curing, quick build-up of end strength, high sheer strength after full cure
- Easy to apply and easy to tool and finish
- Remains elastic after curing
- Impervious to mould, contains ZnP (biocide with fungal action)• No odour
- Does not contain isocyanates, silicones nor solvents
- Paintable with all water based paints
- Good colour stability, weather and UV resistance
- Good adhesion on moist substrates

3. Technical Data

Base:	MS Polymer
Consistency:	Stable Paste
Curing System:	Moisture Cure
Skin Formation: (20°C/65% R.V.)	Ca. 5 min.
Curing Rate: (20°C/65% R.V.)	3mm/24h
Hardness: (DIN 53505)	65 ± 5 Shore A
Specific Gravity: (DIN 53479)	1,47 g/ml
Elastic Recovery: (ISO 7389)	> 75%
Temperature Resistance:	-40°C until +90°C (fully cured)
Maximum Deformation:	±20%
Elasticity Modulus 100%: (DIN 53504)	2,30 N/mm ²
Tear Strength: (DIN 53504)	3,20 N/mm ²
Elongation at Break: (DIN 53504)	400%
Application Temperature	5°C – 35°C
VOC (g/litre)	10g/litre

**This varies according to ambient conditions such as temperature, humidity, substrate etc*

4. Applications

- Sealing and bonding in the building and construction industry.
- Elastic bonding of panels, profiles and other pieces on the most common substrates (wood, MDF,chipboard,etc).
- Elastic bonding in vibrating constructions.
- Joints in Bathrooms & Kitchens

5. Packaging

80ml (net content) tube
290ml (net content) cartridge

6. Shelf Life

15 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

7. Application Instructions

Surfaces

Type: All usual building surfaces such as glass, pre-treated timber, PVC, metals, stone, etc.
Resistance to chemical agents: Good resistance to water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and alkalis and (salt) water. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

State: Surfaces should be clean and free of dust and grease.
Preparation: Porous surfaces should be primed with Gorilla® Primer 150 and Gorilla® 696 Surface Activator may be used on non-porous surfaces.
Due to the range of substrates on the market recommend preliminary compatibility tests prior to commencement of application.

Joint Size

Minimal width: 2mm (Bonding)
5mm (Joints)
Maximal width: 10mm (Bonding)
30mm (Joints)
Minimum depth: 5mm (Joints)
Recommendation: Width of joint = 2x depth of joint

Application

Method: Manual or pneumatic caulking gun
Application temperature: +5°C until +35°C
Clean: Gorilla Solvent Cleaner immediately after application and before curing
Finish: With soapy solution before skin formation
Repair: FixAll HG Adhesive

Application Limitations

FixAll® HG can be used for bonding of natural stone, but it cannot be used as a joint sealant on this type of surface. FixAll® HG can therefore only be used on the bottom of natural stone tiles. When applying, make sure not to spill any adhesive on the surface of materials.

FixAll® HG may be painted, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application. The drying time of alkyd resin based paints may increase.

FixAll® HG can be applied to a wide variety of substrates. Due to the fact that specific substrates such as metals, plastics, polycarbonate, etc may differ from manufacturer to manufacturer, we recommend preliminary compatibility tests.

Fix All HG can be used for the sealing between a "mitre joint" it is not designed as a covering for a "mitre connection" to provide the waterproofing of that "mitre connection".

While producing plastics very often releasing agents, processing aids and other protective agents (like protection foil) are used. These should be removed prior to bonding. For optimum adhesion the use of Gorilla 696 Surface Activator is recommended.

This product cannot be used as a glazing sealant or for the bonding of aquariums.

Holdfast recommends preliminary compatibility tests on surfaces on which MS Polymers have not been applied previously.

8. Maintenance and Inspection of Weather-Tightness Sealant Joints

Applies to the following joint types:

- Linear joints
- Penetration seals

Inspection

Holdfast recommends that the first inspection of joints is done 6 months following application, followed by an annual inspection. Normally this inspection is combined with the inspection of the painting. The most effective is to judge the joints during a colder season as building materials

shrink the most under low temperatures, resulting in the widest joints. This period is best to judge if the sealants are still able to cope with the pressure, and if detachments appear.

During inspection specifically pay attention to:

- Detachments in facades of buildings can result into leakage. When leakage is noticed but the exact cause and location is unclear, the exact spot should be found by testing. We have two methods for this test: Test with a (garden) hose. With a hose the facade can be sprayed. While doing this we work downward towards above, while the inside is checked on water entering the building. When no leakage is found this way, the possibility exists the leakage will only appear when rain and wind pressure are combined at the same moment.
Wind pressure causes over pressure on the outside while under pressure on the inside appears. This can cause water to be sucked inside through very small openings. With higher building the water can be pushed up and find its way into buildings.
- Test with a smoke pipe. With a smoke pipe possible leakages can be identified more easily, especially when wind pressure occurs.

9. Health and Safety Recommendation

- Apply the usual industrial hygiene.

Remark

The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

If any clarification is required, please contact Holdfast Technical Services or email sales@holdfast.co.nz.

Last Updated: 6 November 2017