Code	Description	Size	Colour
20317	Gorilla Metal Fix	290ml	Aluminium

1. Description

Gorilla Metal Fix is an extremely strong construction adhesive, high quality, single component product with high initial tack (> 150kg/m^2).

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
- High shear strength after full cure
- 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).

5. Packaging

290ml cartridge

6. Shelf Life

12 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.
Good resistance to (salt)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: Gorilla Metal Fix

Application Limitations

Gorilla Metal Fix can be used for bonding of natural stone, but it cannot be used as a joint sealant on this type of surface. Gorilla Metal Fix 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.

Gorilla Metal Fix 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.

Gorilla Metal Fix 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.

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.

Gorilla Metal Fix product cannot be used as a glazing sealant or for the bonding of aquariums.

The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap remainigs will stimulate the development of fungi.

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

9. Health and Safety Recommendation

· Apply the usual industrial hygiene.

Remark
The directives and data contained in this documentation is provided in good faith and accurately reflect Soudal's knowledge when its products are properly stored, handled and applied under normal conditions in accordance with Soudal's recommendations. In practice, the diversity of the materials, substrates, environments, site conditions, product storage, handling and application are such that no warranty can be given in respect to the merchantability or fit for purpose, of any product. All users must determine the product suitability for their purposes through testing. This technical data sheet and product properties may change without notice so users, suppliers and retailers of Soudal products should always check that the data sheets they have are the latest. To the maximum extent permitted by law, Soudal disclaims all warranties in relation to either the manufacture, storage and end use of the product. All orders are accepted subject to our current terms of trade. ***If any clarification is required, please contact Soudal Technical Services or email sales@soudal.co.nz.***

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