Code	Description	Size	Colour
20319	Gorilla Mirror Fix	290ml	White

1. Description

Gorilla Mirror Fix is a high quality, neutral cure, 1-component mirror adhesive based on MS polymer Technologies. Gorilla Mirror Fix is compatible with both silver and vinyl backed mirror systems.

2. Characteristics

- Fast curing
- No risk of staining on porous substrates (through migration of plasticizer).
- Remains elastic after curing
- Does not contain isocyanates, silicones nor solvents
- Paintable with all water based paints
- Colourfast, No odour
- Good adhesion, even on moist substrates/surfaces

3. Technical Data

Base:	MS Polymer
Consistency:	Stable Paste
Curing System:	Moisture Cure
Skin Formation: (20°C/65% R.V.)	Ca. 10 min.
Curing Rate: (20°C/65% R.V.)	2mm → 3mm/24h
Hardness: (DIN 53505)	50 ± 5 Shore A
Specific Gravity: (DIN 53479)	1,62 g/ml
Elastic Recovery: (ISO 7389)	> 75%
Temperature Resistance:	-40°C until +90°C (fully cured)
Maximum Deformation:	±20%
Elasticity Modulus 100%: (DIN 53504)	0,75 N/mm²
Tear Strength: (DIN 53504)	1,90 N/mm²
Elongation at Break: (DIN 53504)	600%
Application Temperature	5°C – 35°C
Shrinkage:	< 2%
VOC (g/litre)	10g/litre

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

4. Applications

- Bonding of all kinds of mirrors with an acetone safe back
- Sealing of joints in Mirror Walls
- Bonding of mirrors even on damp surface, provides water resistant bonding

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 pre-treated timber, PVC, metals, stone, etc.
Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis. 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: 10 mm (Bonding)
Minimal thickness: 3 mm (Bonding)
Recommendation: Use of appropriate double-sided adhesive tape as a spacer between the wall and mirror

Application

Method: Manual or pneumatic caulking gun
Clean: Gorilla Solvent Cleaner immediately after application and before curing
Finish: With soapy solution before skin formation
Repair: Gorilla Mirror Fix

Process:

- Apply Mirror Fix with attached V-cut nozzle in vertical adhesive beads on the back of the mirror.
- Depending on the weight of the mirror an adhesive bead shall be applied every 10 to 20 cm.

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

Application Remarks

Due to the low initial tack, the mirrors need to be supported during the curing process until the adhesive has fully cured. The time required depends on the weight/size of the mirror, temperature, relative humidity and the amount of product used.

In order to avoid possible problems due to condensation, the mirror manufacturers as well as Soudal Ltd recommends sufficient ventilation at the back of the mirror. As a guideline, an opening of 3-4mm should be left between the surface and the mirror. This can be assured by the use of double sided mirror tape

We recommend this minimal ventilation opening of 3-4mm to ensure correct curing of the adhesive/sealant. Full surface bonding is at own risk of the applicator

Mirrors that are fitted with a safety film at the back to avoid shattering must be pre-treated with an adhesion promoter. The use of Gorilla 696 Surface Activator will ensure the best bonding performance on this type of safety film. Without the use of Gorilla 696 Surface Activator the adhesive bond might be insufficient with the risk of an unsafe situation.

Gorilla Mirror Fix is not suitable against the following materials; PE, PP, PTFE (Teflon), Bituminous substrates, Copper or copper containing materials (Copper, Brass, Zinc-Bronze).

Soudal 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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