

MIRROR ADHESIVE

Version No. 6

Revision Date: 19/07/2013

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DESCRIPTION

Hodgson's market leading Mirror Adhesive is a fast-curing adhesive which allows the user to secure mirrors to many vertical surfaces in situations which would otherwise require the use of mechanical fixings. Its special solvent-free formulation has been extensively tested for compatibility with all known mirror backing paints and once cured, its flexible rubberised characteristics can accommodate small surface irregularities.

KEY FEATURES

Excellent adhesion to a wide variety of non-porous surfaces such as painted plaster or wood, ceramic tiles and glass.

Capable of supporting 6mm thick mirrors up to 1m² without the need for mechanical fixings.

Can accommodate small surface irregularities.

Good working time.

Fast curing - temporary support can often be removed within 24 hours.

Resistant to high levels of humidity.

Compatible against all known mirror backing paints.

USES

For fixing mirrors to vertical, non-porous surfaces such as painted plaster or wood, ceramic tiles and glass.

Care should be taken when fixing safety backed mirrors. Due to the variety of safety backing materials currently available on the market, it is strongly recommended that the user carries out trials to confirm the level of adhesion to the safety backing before attempting to fix the mirror.

PERFORMANCE

Adhesion: Excellent to glass, ceramics, painted wood and plaster

Chemical resistance: Excellent to dilute acids and alkalis

Hardness (Shore A 25°C): 30 - 50

Mould resistance: Does not contain a fungicide

Paintability: Not applicable

Tensile strength: 3 MPa

VOC Content: 1.3% (theoretical evaluation following European Council Directive 1999/13/EC and the 2004/42/EC criteria).

Service life (predicted): 20 years

Service temperature range: +5°C to +35°C

Shrinkage: <5%

Specific gravity: 1.4g/cm³

Slump: Nil

Staining: Nil

UV resistance: Excellent

APPLICATION

PROPERTIES

Application temperature range: +5°C to +30°C

Curing rate: Cures at a rate of 2-3mm in 24 hours @ 20°C / 65% RH. Lower temperatures and drier conditions will result in a slower rate of cure.

Shelf life: 12 months

Skinning time: Skin forms after approximately 30 minutes at 20°C @ 65% RH

Working time: 5 - 10 minutes

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INSTRUCTIONS

Surface preparation: All surfaces must be clean, dry and free from frost, grease and loose materials.

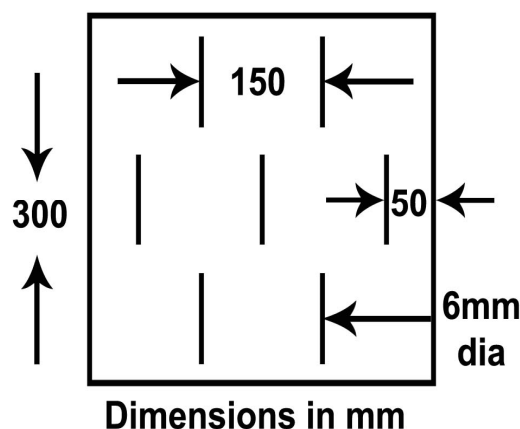
Apply primer if required. For best results on friable and porous surfaces such as brickwork, plaster, plywood and blockwork, it is recommended that a coat of good quality emulsion should be applied and allowed to fully dry for 16 hours minimum before proceeding with application of the adhesive.

Fix support for the mirror before application of the adhesive. Check that the substrate is both flat and vertical. Make allowances for any irregular and non-vertical surfaces.

Cut nozzle to correct diameter for joint size. Apply using a skeleton or powered gun. Apply the adhesive directly to the back of the mirror in a staggered vertical bead arrangement (see FIG 1) . For flat substrates, the beads should be approx. 6mm in diameter, 300mm long, spaced at 150mm centres and no closer than 50mm to the edge of the mirror. For irregular surfaces, the bead diameter should be increased to 8-10mm. This method aids the rapid cure and development of strength of the adhesive.

Immediately after the application of the adhesive, push the mirror into position to give a final thickness of adhesive of 1.5mm - 2.5mm.

The weight of the mirror should be supported for a period of 6 - 10hrs. The final thickness of adhesive, low temperatures or low humidity will slow down the rate of cure and the support will be required for a longer period of time.



Dimensions in mm

FIG 1.

IMPORTANT: Mirrors with a thickness of 6mm and an area greater than 1m² must be permanently supported. Mirrors fixed overhead of any size should be mechanically fixed.

EQUIPMENT

A selection of hand & air operated guns is available for cartridge application.

PACKAGING

310ml cartridges - 25 per carton

ESTIMATING QUANTITIES

One 310ml cartridge is sufficient for 1-2m² of 4mm thick mirror, depending on evenness of surface. Thicker mirrors will require more adhesive.

HEALTH AND SAFETY

Non-flammable.
Wash hands immediately after use.

See Product Safety Data Sheet for further information.

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GENERAL

Mirror Adhesive is part of a full range of speciality sealants and adhesives designed for the professional user. For further information please contact our Customer Care Team or visit our Website.

The information given in this product data sheet is based on laboratory tests and experience which we believe to be correct. Properties quoted are typical and do not therefore constitute a specification. In view of the wide range and variability of substrates, we would advise that our product should be tested by the user to establish suitability for its intended application. E &OE.