



# Den Braven

## Technical Data Sheet

### Zwaluw Mirrorfix-MS

Professional hybrid adhesive with extremely high initial tack, for mirrors



#### Product Description

Zwaluw Mirrorfix-MS is a high quality professional adhesive with extremely high initial tack based on hybrid technology for mirror bonding. It cures under influence of humidity to form a durable elastic rubber.

#### Benefits

- Specifically for bonding mirrors
- Extremely high initial tack
- Excellent tensile strength
- Free of isocyanates, solvents and silicones
- Neutral curing, almost odourless

#### Applications

Zwaluw Mirrorfix-MS was specifically developed for bonding mirrors to substrates like wood, stone, concrete, gypsum, plasterboard, tiles, steel and aluminium. Also suitable for bonding decorative and acoustic tiles.

#### Directions Of Use

Apply adhesive with the provided V-nozzle in a 'ventilating way' in vertical stripes with 10-20 cm distance between stripes. Bring the materials into position and press firmly so that the adhesive is a minimum of 2-3 mm thick between material and surface. Do not apply the adhesive in dots! Because of the high initial strength, support during curing is usually not necessary. For further questions please

contact our technical department. Mirrorfix-MS was tested on conventional and powder coated mirrors with positive results. Due to the wide variety of coatings is an adhesion test prior the application is recommended.

#### Additional information

100 % modulus	DIN 53504 S2	1,39 N/mm <sup>2</sup>
Application rate	@ Ø2,5 mm/6,3 bar	10-20 g/min
Application temperature		+5°C to +40°C
Base		Hybrid
Curing time	@ +23°C/50% RH	Approximately 2-3 mm/24 hours
Density	ISO 1183-1	1,57 g/ml
Elongation at break	DIN 53504 S2	335%
Frost resistance during transportation		Up to -15°C
Shorea hardness	DIN 53505	55
Skin formation	DBTM 10.00	15 minutes @ +23°C/50% RH
Temperature resistance		-40°C to +90°C
Tensile strength	DIN 53504 S2	2,20 N/mm <sup>2</sup>

*These are typical values*

#### Limitations

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates
- Not suitable for continuous exposure to water
- Not suitable for movement joints
- Discoloration can occur in dark places and by contact with chemicals

#### Surface Preparations and Finishing

Application temperature +5°C to +40°C (applies to environment and substrates). Due to the structure of the Zwaluw Mirrorfix-MS we recommend using a caulking gun with the correct transmission in combination with the V-nozzle. All substrates must be solid, clean



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and free of grease and dust. Clean substrates with Zwaluw Cleaner. Zwaluw Mirrorfix-MS adheres perfectly without the use of primer to most non porous substrates. Porous substrates to be pre-treated with Zwaluw Primer Universal. Always test adhesion prior to application. Use Zwaluw Finisher to smooth the joint.

#### Cleaning

Uncured material and tools can be cleaned by using Zwaluw Cleaner. Cured material can only be mechanically removed. Hands can be cleaned with Zwaluw Wipes.

#### Colour(s)

- White

#### Packaging



- Cartridge

*For product specifications, please refer to the Product Detail Page*

#### Shelf Life

In unopened original packaging between +5°C and +25°C, shelf life is up to 18 months from production date, stored in a dry place.

#### Certifications

	A+ (Eurofins ISO 16000)
	Emicode EC1 Plus
	M1

#### Health & Safety

Product Safety Data Sheet must be read and understood before use. These are available on request and via the Den Braven websites.

#### Warranty & Guarantee

Den Braven warrants that its product complies, within its shelf life, to its specification.

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