



# ULTIMATE Silicone

Neutral silicone sealant for sealing natural stone and sanitary, glazing and façade joints

## Technical Data Sheet

**Product Description:** HB42 Ultimate Silicone is plasticiser free neutral silicone sealant suitable for sealing natural stone, granite, marble and other absorbent substrates, reducing staining to a minimum. Perfect for wetrooms, kitchens, showers and bathrooms, it is also very clean & easy to use. As it skins in 8 to 9 minutes, working time is extended, allowing plenty of time to achieve a smooth finish and for surplus sealant to be easily wiped away.

Its durable, elastic formulation makes it perfect for sealing expansion joints. A joint with the correct dimensions will absorb movements between different building materials. The joint depth and width should be the at a ratio of 1:1 up to 10mm, with a minimum of 5mm in depth and width. For joints larger than 10mm, the depth is the width divided by 3 plus 6mm.

### Benefits:

- Non-staining on natural stone, marble & granite
- Neutral curing, almost odourless
- Slow skin time, so very easy to use and clean off.
- Mould resistant
- Resistant to UV, water, moisture & weather
- Very elastic
- Can bond to most substrates without primer
- Not corrosive to metal

### Applications:

HB42 Ultimate Silicone has been specially developed for durable elastic sealing of connection and expansion joints in natural stone, concrete, brickwork, curtain wall constructions, glazing systems(1), kitchens, bathrooms, showers and for industrial applications.

#### Remark (1)

Compatibility of the edge seals of insulation glass with glazing sealants cannot be guaranteed by the supplier of the sealant, as the composition of the edge seals can be changed by the producer without mentioning. Advices concerning the compatibility of glazing sealants to the edge seals of insulation glass are based on experience and therefore not guaranteed.

### Directions of Use:

A joint with the correct dimensions is able to absorb movements between building materials. The joint depth should always be in the correct relationship of the joint width. A general rule is the ratio of joint depth to the width of the joint with a joint width till 10 mm is 1:1, with a minimum of 5 mm in width and depth. For joints wider than 10 mm, the depth is the width divided by 3 plus 6mm. For more information see our website [www.hb42.co.uk](http://www.hb42.co.uk).





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## Additional Info:

<b>100% Modulus</b>	N/mm <sup>2</sup>	0,35 MPa
<b>Application Rate</b>	@ Ø3 mm/6,3 bar	130 g/min
<b>Application Temperature</b>		+5°C till +40°C
<b>Base</b>	@23°C /50% RH	2mm/24 hours
<b>Curing Time</b>	@23°C /50% RH	2mm/24 hours
<b>Density</b>		1,01 g/ml
<b>Elongation at Break</b>		530%
<b>Flow</b>	ISO 7390	< 2mm
<b>Frost Resistance during transportation</b>		till -5°C
<b>Joint Movement</b>		25%
<b>Joint Movement</b>		25%
<b>Shore-A hardness</b>	DIN 53505	25 Shore A
<b>Skin Formation</b>	@23°C /50% RH	7-8 min
<b>Temperature Resistance</b>		-40°C till +120°C
<b>Tensile Strength</b>	N/mm <sup>2</sup>	0,95 MPa

## Limitations:

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates
- Discoloration can occur in dark places
- Not over-paintable

## Surface Preparations and Finishing:

Apply in temperatures +5°C to + 40°C . Ensure surfaces are solid, clean, dry and free from grease and dust. Very porous substrates may need to be primed.

## Cleaning:

Uncured sealant can be easily wiped away with a dry lint free cloth.

## Colours:

- White
- Clear

## Packaging:

- Cartridge 310 ml

## Shelf Life:

In unopened original packaging between +5°C and +25°C, shelf life till 12 months after production date, stored in a dry place.





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## Certifications:



EN 15651-1: F-EXT-INT-CC 25LM  
EN 15651-2: G-CC 25LM  
EN 15651-3: S XS2

## Health & Safety:

Product Health and Safety Data Sheet must be read and understood before use. These are available on request and via the HB42 website ([www.hb42.co.uk](http://www.hb42.co.uk)).

## Warranty / Guarantee:

HB42 warrants that its product complies, within its shelf life, to its specification.



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