



# Den Braven

## Technical Data Sheet

### Hercuseal Superior All Sealer 420

High quality professional and universally paintable sealant for glazing and façade joints



#### Product Description

Hercuseal Superior All Sealer 420 is a high quality professional sealant, universally paintable, based on hybrid technology, which cures under influence of humidity to form a durable elastic rubber.

#### Benefits

- Excellently paintable with water based and synthetic paints
- Universal uses for building and glazing interior and exterior
- Free of isocyanates, solvents, phthalates and silicones
- Non corrosive towards metals
- No shrinkage and bubble free
- Resistant to UV, moisture, mould and weather
- Adheres perfectly without primer on most, even damp, surfaces

#### Applications

Hercuseal Superior All Sealer 420 was specifically developed as a universal glazing sealant, complying with international glazing standards, for laminated, single, insulation, burglar-proof and self-cleaning glass (1). For sealing expansion, connection and perimeter joints.

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 notice. Any advice concerning the compatibility of glazing

sealants to the edge seals of insulation glass is 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 up to 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 6 mm. For more information see the Technical Bulletin Joint Dimensions in the Knowledge Base on our website [www.denbraven.com](http://www.denbraven.com).

#### Additional information

100 % modulus	DIN 53504 S2	0,55 N/mm <sup>2</sup>
Application rate	Ø2,5 mm/ 6,3 bar	100-200 g/min.
Application temperature		+5°C to +40°C
Base		Hybrid
Curing time	@ +23°C/50% RH	2-3 mm/24 hours
Density	ISO 1183-1	1,49 g/ml
Elongation at break	DIN 53504 S2	400%
Flow	ISO 7390	< 2 mm
Frost resistance during transportation		Up to -15°C
Joint movement		25%
Shorea hardness	DIN 53505 3 sec.	30
Skin formation	DBTM 16	10 minutes @ +23°C/50% RH
Temperature resistance		-40°C to +90°C
Tensile strength	DIN 53504 S2	1,00 N/mm <sup>2</sup>

*These are typical values*

#### Limitations

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates



Den Braven

## Technical Data Sheet

### Hercuseal Superior All Sealer 420

High quality professional and universally paintable sealant for glazing and façade joints

- Not suitable for natural stone and mirrors
- Not suitable in combination with chlorides (pools)

### Surface Preparations and Finishing

Application temperature +5°C to +40°C (applies to environment and substrates). All substrates must be solid, clean and free of grease and dust. Clean substrates with Cleaner. Hercuseal Superior All Sealer 420 adheres perfectly without the use of primer to most non porous substrates. Porous substrates to be pre-treated with Primer B1. Always test adhesion prior to application. Use Finisher to smooth the joint.

### Paintability

Superior All Sealer 420 is paintable with most water based and synthetic paints. We recommend testing compatibility with paint prior to application. If Superior All Sealer 420 is being painted over (not necessary), we recommend slightly sanding the sealant and the junction surfaces prior to use with Scotch-Brite. For the best results, we recommend painting a few days after application.

### 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)

- Grey
- Black
- White

### Packaging



- Cartridge

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

### Shelf Life

Store between + 5°C and + 25°C and in shaded conditions. Shelf life is 18 months when stored as recommended in original unopened packaging.

### Certifications

	EN 15651-1: F-EXT-INT-CC 25HM EN 15651-2: G-CC 25HM EN 15651-3: S XS2 EN 15651-4: PW-EXT-INT-CC 25HM
	Emicode EC1-R Plus
	KOMO

### Health & Safety

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

### Warranty & Guarantee

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

### Disclaimer

All information in this document and in all our other publications (including electronic ones) is based on our current knowledge and experience and is the exclusive (intellectual) property of Bostik. No part of this document may be copied, shown to third parties, reproduced, communicated to the public or used in any other way without Bostik written consent. The technical information in this document serves as an indication and is non-exhaustive. Bostik is not liable for any damage, either directly or indirectly, due to (editorial) errors, incompleteness and/or incorrectness of this document. This includes, but is not limited to, incompleteness and/or incorrectness due to technological changes or any research conducted between the date of publication of this document and the date on which the product is acquired. Bostik reserves the right to amend the wording of this document. Bostik cannot be held liable for any damage, either directly or indirectly, due to the use of the product(s) depicted in this document. The user must read and understand the information in this document and other documents relating to the products prior to the use of the product. The user is responsible for performing all the requisite tests to make sure that the product is suitable for its intended use. We have no influence in what way the product is applied and/or any circumstances relating to events occurring during storage or transport and therefore we do not accept any liability for damage whatsoever. All deliveries are made exclusively in accordance with our general terms of conditions which have been filed at the Dutch Chamber of Commerce.



Den Braven

Bostik Singapore  
1 Science Park Road, #04-01/5 The Capricorn, 117528 Singapore  
T +65 6419 9161 | E

20-05-2024  
12:06:36  
MDT