

**Product Information:**

# Sealflex Hybrid 522

**Neutral, & fast curing building sealant**

**General description and applications:**

Sealflex Hybrid 522 belongs to the new generation of MS-polymer sealants, which combines the best properties of silicone- and polyurethane sealants. The sealant cures by reaction with the humidity of the air to an elastic joint, which has a movement capability of +/- 25 %.

Sealflex Hybrid 522 is absolute odourless, neutral and fast curing. It can be painted and has a remarkable resistance to climatic influence.

Sealflex Hybrid 522 is suitable as a universal construction sealer for buildings, industry and marine, - indoor as well as outdoor. It is particularly suitable for expansion joints and sealing tasks, where silicone sealants would have been used earlier, but where the paintability and compatibility of an MS-sealant is required.

Sealflex Hybrid 522 fulfills requirements in ISO 11600 F25 HM.  
Sealflex Hybrid 522 meets the requirements of Eimcode Class EC 1<sup>PLUS</sup>.



Member of Danish Association of Sealant Applicators & Manufacturers



**Physical / chemical properties:**

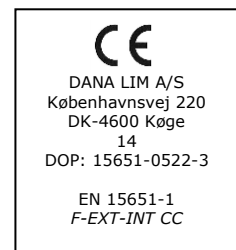
**Uncured sealant:**

- Type: MS-hybrid polymer, 1-component
- Contains fungicide: No
- Specific gravity: 1,41 kg/litre
- Shelf life: 1 year in unopened packing, if stored cool and dry.
- Packaging:

| Item no. | Colour       | Size             |
|----------|--------------|------------------|
| 54542    | White        | 290 mL cartridge |
| 54549    | Lightgrey    | 290 mL cartridge |
| 54543    | Grey         | 290 mL cartridge |
| 54544    | Brown        | 290 mL cartridge |
| 54545    | Black        | 290 mL cartridge |
| 54546    | Antracitgrey | 290 mL cartridge |
| 54552    | White        | 600 mL foilbags  |
| 54533    | Grey         | 600 mL foilbags  |
| 54554    | Brown        | 600 mL foilbags  |
| 54555    | Black        | 600 mL foilbags  |
| 54557    | Concretegrey | 600 mL foilbags  |
| 54558    | Antracit     | 600 mL foilbags  |
| 54559    | Lightgrey    | 600 mL foilbags  |
| 545561   | Cementgrey   | 600 mL foilbags  |
| 545572   | Darkgrey     | 600 mL foilbags  |
| 545532   | Greybeige    | 600 mL foilbags  |

**Cured sealant:**

- Paintable: Yes
- Hardness: 29 Shore A
- Maximum movement acc: +/- 25 %
- Transport: Frost resistance during transportation till -15 °C°.
- Resistance: Temperature: approx. -40 °C to +90 °C.
- Climatic ageing (UV): good
- Good resistance to water, seawater, aliphatic solvents, oil, grease, diluted organic acids and bases.
- Not resistant to concentrated acids and chlorinated organic solvents.



## Directions for use:

- Joint dimensions:** Joints in which Sealflex Hybrid 522 is used should be dimensioned so that the movement of the free sealant is below +/- 25 %. The joint should be min. 6 mm and max. 40 mm wide. Use joint back-up material in the right dimension, which is placed according to the wanted depth of the joint. The depth of the joint is usually half of the width, although small joints should be square.
- Preparation:** All surfaces must be clean, dry, free of grease, dust and loose particles. Sealflex Hybrid 522 can be used without primer on surfaces like glass, most metals, most painted surfaces and most plastics. For optimum bonding we recommend the use of Primer 960 on non-absorbent surfaces as e.g. stainless steel and acrylics or Primer 961 on porous surfaces as bricks and concrete etc.
- In practice, variations can occur in the different materials, therefore it is always recommended to carry out sufficient bonding tests before commencing - particular in larger applications.
- We recommend the use of covering tape, which should be removed immediately after application of the sealant.
- Application conditions:** Can be applied at temperatures from +5 °C to +40 °C and a relative air humidity at minimum 30 %.
- Application:** The tip of the cartridge is cut off with a keen knife after which the tip is cut with an inclined cut, which is a little smaller than the width of the joint. The sealant is applied by means of a hand- or pneumatic gun.
- The sealant does not function in thin layers (scraped). Therefore remove and clean exposed surfaces completely.
- Skin Formation:** 30 minutes at 23 °C and 50 % RH.
- Curing:** Approx. 2-3 mm/24 hours at 23 °C and 50 % RH.  
The curing time is slowed down at lower temperatures and lower relative humidity.
- Paint treatment:** After curing Sealflex Hybrid 522 can be painted with most water borne paints. Make a test of the paint's usability on the joint. It is not recommended to paint with slow curing alkyd paints as these tend to stay sticky.
- White joints:** For white joints indoor we recommend Interior 521 due to a better colour stability. Further information on discolouration of joints can be supplied.
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- Cleaning:** Tools can be cleaned - and sealant removed with e.g. heptane or white spirit.  
Cured sealant can only be removed mechanically.  
Hands should be washed with water and soap.

## Health and safety:

For further information on safety, refer to product safety data sheet.

The information and data contained in this Product Information sheet are based on extensive laboratory testing and our practical experiences and are meant for helping the user to find optimum working methods. As the conditions at the user are beyond our control, we make no warranties concerning the results, achieved by the products. The information's in this Product Information sheet are typical values, intended as a guideline. They should not be regarded as product specifications. Please also refer to our standard sales conditions and terms of delivery.

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