

**Product Information:**

# MS Contractor 550

**Neutral, paintable, and highly elastic sealant****General description and applications:**

MS Contractor 550 is a neutral curing 1-component hybrid sealant.

MS Contractor 550 is moisture curing and forms an elastic joint which has a movement capability of +/- 25 %.

MS Contractor 550 is paintable, can be used outside and inside and has a excellent resistance to climatic influence.

MS Contractor 550 is used as a universal construction sealer in buildings and industry. 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.

MS Contractor fulfills requirements in ISO 11600 F25 LM.

MS Contractor 550 meets the requirements of Eimcode Class EC 1<sup>PLUS</sup>

MS Contractor 550 is approved for indirect contact to foodstuff.



Member of Danish Association of Sealant Applicators & Manufacturers

**Physical / chemical properties:****Uncured sealant:**

Type:

MS-hybrid polymer, 1-component

Contains fungicide:

No

Specific gravity:

1,53 kg/litre

Shelf life:

18 months in unopened packing, if stored cool and dry.

Packaging:

Item no.	Colour	Size
55062	White	600 mL foilbags
55063	Grey	600 mL foilbags
55065	Black	600 mL foilbags
55066	Cement Grey	600 mL foilbags
55067	Concrete Grey	600 mL foilbags
55068	Antracit	600 mL foilbags
55069	Light Grey	600 mL foilbags
55073	Yellow	600 mL foilbags

**Cured sealant:**

Paintable:

Yes

Hardness:

24 Shore A

Elastic modulus :

0.5 N/mm<sup>2</sup> (DIN 53504)

Elongation at break:

500% (DIN 53504)

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.



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## Directions for use:

### Joint dimensions:

Joints in which MS Contractor 550 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. The substrate contact area must be strong enough to withstand the forces that are transferred from the seal joint to the substrate. MS Contractor 550 can be used without primer on surfaces like glass, most metals, painted surfaces and plastics. For optimum bonding we recommend the use of Primer 960 on non-absorbent surfaces as e.g. stainless steel and acrylics or Primer 963 on porous surfaces as bricks and concrete etc. We recommend the use of covering tape, which should be removed immediately after application of the sealant.

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.

### Application conditions:

Can be applied at temperatures from +5 °C to +30 °C and a relative air humidity at minimum 30 %.

### Application:

The foil bag is cut off at one end with a pair of pliers just behind the metal clip, after which the foil bag is mounted in the caulking gun, the tip is cut a little smaller than the width of the joint. The sealant is applied by means of a hand- or pneumatic gun.

Note! the sealant is not suitable in thin (spattered or scraped) layers and must therefore be removed completely from exposed surfaces.

### Curing:

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 MS Contractor 550 can be painted with most water-based paints. Due to many different products on the market, it is likely there will be several paints that are not compatible, therefore we recommend testing. It is not recommended to use alkyd paints as they tend to become sticky on the surface.

### White joints indoor:

For white joints indoor we recommend Danaseal Interior Hybrid 521 due to a better colour stability. Further information on discolouration of joints can be supplied.

Very small joints, such as finish- and triangular joints are vulnerable to discoloration. An overpainted joint is in many cases easier to clean.

### Cleaning:

uncured sealant can be removed with wipes.

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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