

**Product Information:**

# Industrial Sealer VDI 555

**1-component adhesive and joint sealer for construction and industry.**

**General description and application:**

*Industrial Sealer VDI 555 is a neutral 1-component hybrid adhesive and sealer.*

*Industrial Sealer VDI 555 cures by reaction with moisture and forms a strong and resilient adhesive joint that distributes any tensions and compensates for differences in expansion.*

*Industrial Sealer VDI 555 contains neither acid, solvent, silicone nor isocyanate*

*Industrial Sealer VDI 555 is used for sheet assembly and sealing of metal- and bodywork construction, sealing of weld joints, joints and seals of composite materials, bonding of materials with various coefficients of expansion.*

*Industrial Sealer VDI 555 is paintable and can be used for both indoor and outdoor applications and adhere to many substrates without the use of primer.*

*Industrial Sealer VDI 555 can be used for ventilation ducts.*

*Tested and approved for HVAC systems according to VDI 6022 at the Institut für Air Hygiene, Berlin.*

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

Type:	Silane Modified Polymer (SMP), 1-component
Skin formation:	approx. 20 min.
Curing:	2-3 mm/24 hours. Increased air humidity and temperature increases the curing.
Consistency:	Tixotropic paste. Exhibits no flow when applied i.e., stays in place. Easy tooled
Specific gravity:	approx. 1.46 kg/litre
Shelf life:	1 year in unopened packing, if stored cool and dry.
Packaging:	290 mL cartridge, 600 mL foilbag, 20 litre hob bock, 200 litre barrel.

Colours:

**Cured sealant:**

Paintable:	Yes
Hardness:	40-46 Shore A (ISO 868)
Elasticity:	+/- 20%
Tensile strength:	2.3 N/mm <sup>2</sup> (ISO 37)
Elongation at break:	300 % (ISO 37)
Elastic modulus:	1.1 N/mm <sup>2</sup> (ISO 37)
Resistance:	Temperature: approx. -40 °C to +90 °C. Resistance towards climatic: Good.



## Directions for use:

- Joint dimensions:** *Joints in which Industrial Sealer VDI 555 is used should be dimensioned so that the movement of the free sealant is below +/- 20 %.*
- Preparation:** *All surfaces must be clean, dry, and free of grease, dust and loose particles. Industrial Sealer VDI 555 can be used without primer on most surfaces.*
- 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 +40 °C and a relative air humidity at minimum 30 %.*
- Application:** *The sealer is applied by means of dispensing equipment added to a drum-pump-system or directly from a hand- or pneumatic gun with either a cartridge or a sausage.*
- The Industrial Sealer VDI 555 is added in strings of adhesive directly to the materials. The materials can be placed on the floor, walls or ceilings – the adhesive will at all times stay in place, and it will not flow.*
- Reach:** *2 – 3 m<sup>2</sup>/cartridge, depending off dimension and demands of strength.*
- Cleaning:** *Uncured sealer can be removed with wipes.  
Cured sealer 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.*

**DANA LIM A/S - KØBENHAVNSVEJ 220 - DK-4600 KØGE – DENMARK – INFO@DANALIM.DK**

**PH. (+45) 56 64 00 70 - TECHNICAL SERVICE PH. (+45) 56 64 00 75**