

**Product Information:**

# Clear Tack 542

**All-round phthalate free transparent sealant/adhesive**

**General description and application:**

Clear Tack 542 is a neutral curing 1-component hybrid sealant and adhesive.

Clear Tack 542 is moisture-curing and forms a strong an elastic joint.

Clear Tack 542 can be used indoor as a sealant, as an adhesive it can be used both indoor and outdoor.

Clear Tack 542 does not contain acid, solvents, phthalates, silicone or isocyanate.

Clear Tack 542 is the best possible all-round product found in the toolbox because it can be used for joints, seals as well as mounting and glue task.

Clear Tack 542 meets the regulation of EC No 1935/2004 regarding materials and articles for indirect contact with foodstuff.

Clear Tack 542 meets the requirements of Eimcode Class EC 1<sup>PLUS</sup>.

The product is registered in Nordic Ecolabelling declaration portal for Nordic-labelled buildings generation 3.



Member of Danish Association of Sealant Applicators & Manufactures

**Physical / chemical properties:**

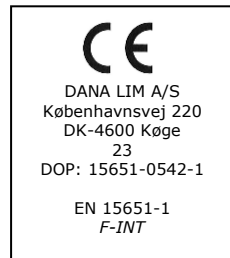
**Uncured sealant:**

Type: MS/SMP-hybrid polymer, 1-component  
 Contains fungicide: No  
 Appearance: Paste, thixotropic  
 Specific gravity: approx. 1,08 kg/litre  
 Shelf life: 1 year in unopened packing if stored cool and dry.  
 Packaging:

Item no.	Colour	Size
54231	Transparent	290 mL cartridge
54275	Transparent	75 mL tube

**Cured sealant:**

Paintable: Yes  
 Hardness: approx. 40 Shore A  
 Elongation at break: approx. 250 % (DIN 53594 S2)  
 Modulus: approx. 1.2 N/mm<sup>2</sup> ved 100% (DIN 53594 S2)  
 Resistance: Temperature: -40 °C to +80 °C.  
 Climatic ageing (UV): good  
 Good resistance to water, seawater, aliphatic solvents, oil, grease, diluted inorganic acids and bases. Not resistant to concentrated acids and chlorinated organic solvents.



## Directions for use:

**Preparation:** All surfaces must be clean, dry, free of grease, dust and loose particles. Clear Tack 542 can be used without primer on surfaces like glass, aluminium, most painted surfaces and most types of 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, concrete, wood 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 humidity at minimum 30 %.

## Sealing

**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 is pressed in place and finished with a joint nail dipped in tooling liquid 901 immediately after application.

## Bonding

**Application:** Clear Tack 542 is applied in lines at the substrate or at the materials to be bonded, in distances of 5 - 20 cm, depending on the required strength. Some applications might require special techniques, always follow the instructions from the supplier.

**Range:** 2 – 3 m<sup>2</sup>/cartridge, depending on dimensions og strenght requirements.

**Curing:** Skin forming time: 3-5 min at 23 °C and 50 % RH.  
Curing time: 2,5 mm/24 hours at 23 °C and 50 % RH.  
The curing time is slowed down at lower temperatures and lower relative humidity.

**Treatment:** After curing Clear Tack 542 can be painted with most types of paint. Testing is recommended. Especially oil-based paints- or varnishes must be tested before starting treatment.

**Cleaning:** Uncured sealant/adhesive can be removed with wipes.  
Cured sealant/adhesive 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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