

**Product Information:**

# Combi Tack 547

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

**General description and application:**

Combi Tack 547 is a neutral curing 1-component hybrid sealant and adhesive, it is moisture-curing and forms an elastic joint that can absorb movements of up to +/- 20 %.

Combi Tack 547 is paintable, can be used outdoor and indoor and has excellent resistance to climatic influence.

Combi Tack 547 does not contain acid, solvents, silicone, phthalates or isocyanate.

Combi Tack 547 is the perfect all-round product to have in the toolbox for joints, seals, assembly and gluing tasks.

Combi Tack 547 is approved for joints in wooden and concrete floors as well for sanitary joints.

Combi Tack 547 meets the regulation of EC No 1935/2004 regarding materials and articles for indirect contact with foodstuff.

Combi Tack 547 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 and 4.



Member of Danish Association of Sealant Applicators & Manufactures

**Physical / chemical properties:**

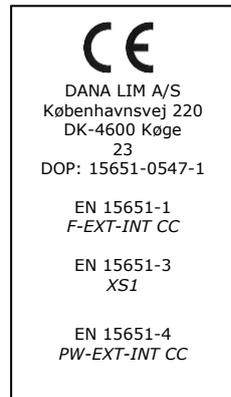
**Uncured sealant:**

Type: MS/SMP-hybrid polymer, 1-component  
 Contains fungicide: Yes  
 Appearance: Paste, thixotropic  
 Specific gravity: approx. 1.4 kg/litre  
 Shelf life: 1 year in unopened packing if stored cool and dry, frost resistant.  
 Packaging:

Item no.	Colour	Size
54732	White	290 mL cartridge
54733	Grey	290 mL cartridge
54734	Medium grey	290 mL cartridge
54735	Black	290 mL cartridge
54736	Light grey	290 mL cartridge
54737	Antracit grey	290 mL cartridge
54762	White	600 mL foilbags
54763	Grey	600 mL foilbags

**Cured sealant:**

Paintable: Yes  
 Hardness: 40-45 Shore A  
 Movement capability: +/- 20 %  
 Modulus of elasticity: 1,0 N/mm<sup>2</sup>  
 Tensile Strength: 1,4 N/mm<sup>2</sup>  
 Elongation at break: 200 %  
 Resistance: Temperature: -30 °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:

### Joint dimensions:

Joints in which Combi Tack 547 is used should be dimensioned so that the movement of the free sealant is below +/- 20 %. 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.

When Combi Tack 547 is used in flooring joints, make sure that the width of the joint is sufficient to tolerate the movements of the floor, e.g. related to changing temperatures and humidity. As back-up, can use hard material as e.g. bond-breaker, PE Tape 985 or washed and dried quartz sand.

### Preparation:

All surfaces must be clean, dry, free of grease, dust and loose particles.

Combi Tack 547 can be used without primer on surfaces like glass, aluminium, most painted surfaces, pvc 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 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 %.

### 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 not suitable for application in thin (spattered/scraped) layers. It must therefore be removed from exposed surfaces completely.

### Curing:

Skin forming time: 20-40 min at 23 °C and 50 % RH.

Curing time: 2 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 Combi Tack 547 can be painted with most types of paint. Testing is recommended. Especially oil-based paints- or varnishes must be tested before starting treatment.

After curing, the sealant can be finely sanded, e.g. when used in flooring joints.

### 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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