

Product Information:

Flooring Sealant 553

High-elastic sealant for wooden floors. Can be sanded, painted or lacquered

General description and applications:

Flooring Sealant 553 belongs to the new generation of MS-polymer sealants, which combines the best qualities from silicone- and polyurethane sealants. The sealant cures by reaction with the humidity of the air to an elastic joint.

Flooring Sealant 553 is absolute odourless, neutral and fast curing. It can be painted and has a remarkable resistance to climatic influence.

Flooring Sealant 553 does not contain solvents, silicone or isocyanate.

Flooring Sealant 553 is specially developed for joints in wooden and concrete floors, and for joints between floor and walls, stairs, pillars etc.

Flooring Sealant 553 meets the requirements of Eimcode Class EC 1^{PLUS}.



Physical / chemical data:

Uncured sealant:

Type: MS-hybrid polymer, 1-component
 Contains fungicide: No
 Consistency: Paste, tixotropic
 Specific gravity: approx. 1,4 kg/litre
 Shelf life: 18 months in unopened packing, if stored cool and dry.
 Packaging:

Item no.	Colour	Size
54705	Black	290 mL cartridge
54706	Black	600 mL foilbags
54702	Light oak	290 mL cartridge
54703	Dark oak	290 mL cartridge

Cured sealant:

Paintable: Yes – see the treatmentsection on page 2.
 Hardness: approx. 25-30 Shore A
 Maximum movement accommodation: +/- 25 %
 Resistance: Temperature: approx. -40 °C to +90 °C.
 Climatic ageing (UV): good, but only for the black version
 Good resistance to water.



Directions for use:

Joint dimensions:

Joints in which Flooring Sealant 553 is used should be dimensioned so that the movement of the free sealant is below +/- 25 %. When used in flooring joints you have to make sure that the width of the joint is sufficient to absorb the temperature- and moisture related movements, which can occur in a floor. The smaller joint, the bigger effect will occur on the sealant surfaces, and enlarge the risk of cracks. The ideal joint size is 10 mm. At joint sizes up till 100 mm the sealant should be square. At joints larger than 10 mm the depth should be 2/3 of the width. It is important to avoid adhesion to the bottom of the joint. Therefore it is recommended to use a PE-tape, or a traditional round backer rod, if the depth of the joint is to be adjusted. Finally, it is possible to use Quartz sand 609, but it takes a bit of practise to seal against such surface.

Preparation:

All surfaces must be clean, dry, free of grease, dust and loose particles. Has the floor been sealed before then old sealant should be removed completely. For the best adhesion a router is recommended to cut the floorboards clean. **Note that Primer 961 cannot be recommended on oily floor surfaces outdoors.**

To assure the highest possible strength the sealant surfaces is primed with Primer 961.

In the table below the amount of Primer used in ml pr meter sealant is stated:

Depth of sealant	Primer 961
6 mm	0,7 ml pr. meter sealant
8 mm	1,4 ml pr. meter sealant
10 mm	1,7 ml pr. meter sealant
12 mm	2,1 ml pr. meter sealant

*the use is normative

In practice, variations can occur in the different materials, therefore it is always recommended to carry out sufficient bonding tests before commencing - particular larger in applications.

We recommend the use of covering tape, which should be removed immediately after application of the sealant, before adding the primer and 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. After application the sealant is pressed into place and finished with a soap-diluted joint nail.

Curing:

Skin forming within approx. 30 min. at 20 °C and 50 % RH.

A joint of 10 x 10 mm is cured within 5 days at 20 °C and 50 % RH.

The curing time is slowed down at lower temperatures and lower relative humidity.

Treatment:

Paintability / lacquering: The sealant can be painted over or lacquered after 24 hours. The best result is reached, if the treatment is done within a few days. Flooring Sealant 553 can be lacquered with most water- and alcohol-based lacquers. The product must not contain white spirit or similar organics solvents. Be aware that the movements in the floor can cause cracks in the lacquer if the lacquer is not flexible enough.

Lye/oil treatment: The floor can be treated with lye or oil, when the sealant it is fully cured. The products must not contain white spirit or similar organic solvents. Be aware that the lye/oil is not absorbed in the surface of the sealant and should be wiped of with a cloth.

Because of the many different products in the marked, we recommend tests to be carried out.

Sanding: Fully cured sealant can be sanded.

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.

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

Flooring Sealant 553 – Date of issue 01.10.2021 - Page 2/2