

4.1 Adhesives for wood and hardwood flooring

DUROSTICK DS-200 Waterproof flexible adhesive for hardwood floors



TECHNICAL SPECIFICATIONS *(Measurement conditions 23 °C and 50% R.H.)*

Form - Color	Thixotropic paste - Beige
Resin	Acrylic based polymer
Density	1.35 ± 0.05 kg/l
Viscosity	160000 ± 15000 cP (spindle 7/20 rpm)
Solids by weight	70-75% w/w
pH	6.8 ± 0.5
Application temperature	From +10 °C to +30 °C
Temperature resistance	From -30 °C to +100 °C
Foot traffic	After 24-48 hours
Workability	Approximately 10 minutes
Flexibility	Excellent
Moisture resistance	Very good
Approvals/Standards	Wood flooring adhesive, per DIN 281 Meet the requirements EN 204/205 class D3/D4
Flammable	No
Odorless, user and environment friendly	

MECHANICAL STRENGTHS

Adhesion strength after 7 days	> 10 N/mm ² (per EN 204/205)
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CONSUMPTION

0.7-0.9kg/m² when applied using a B3 or a B6 notched trowel. The consumption depends on the substrate and the type of the wood floor.

For bonding long or wide planks or to bond on uneven substrates, use a trowel with bigger notches.

STORAGE

Store in closed containers under normal storage conditions, protected from frost, for at least 18 months from production date

SAFETY DIRECTIONS

The product needs no hazard labeling under current European and national legislation. However it is recommended to keep away from the reach of children. If swallowed, seek medical advice and show the container or label.

PACKAGING

15kg container

PROPERTIES

Powerful flexible adhesive that is odorless and solvent free. The adhesive is in a ready for use, paste form.

Its special formula reduces impact related noises. It is moisture and age resistant. It provides strong adhesion to non absorbent, stable substrates even without primer. It maintains its original flexibility, thus ensuring the unbreakable bonding on floors that are subjected to vibrations and the expansion/contraction effects.

Classified D3/D4 per EN 204/205.

ADVANTAGES

Extended bonding duration over time when compared to polyurethane based adhesives. It can be stored for an extended amount of time, compared to polyurethane based adhesives.

APPLICATIONS

DUROSTICK DS-200 is suitable for bonding all types of hardwood floors on concrete, mosaic and ceramic tiles, marble as well as primed or galvanized sheet metal and MDF. It is suitable for bonding wood skirting boards and large wood planks of varying harnesses. It is recommended for use with radiant heating systems.

USE

1. Surface preparation

The substrate must be sanded and thoroughly cleaned with a shop vacuum. It must also be free from oil or loose materials.

Shiny substrates (glazed tiles) should be sanded and washed with water. Alternatively, increase the adhesion using DS-260 quartz primer for wood and metals.

Level and smooth out all cement screeds (that require it), using the fast-setting and self levelling cement mortar, DUROSTICK D-65 (1-10mm / layer) or D-64 (3-30mm / layer).

If the application is on a ground floor that is dusting and rising damp is suspected, it is highly recommended to coat the substrate with three successive coats of HYDROSTOP FLOOR (floor waterproofing mortar) of DUROSTICK. Prior to this application, it is required to thoroughly soak the surface with ACRYLIC EMULSION or D-20 at a mixing ratio of 1 part emulsion to 2 parts water.

2. Application

Using a notched trowel, spread the adhesive evenly on the properly prepared substarte. Use as much adhesive as required to work for the next 10 minutes, depending on the weather conditions. Install each section of the wood flooring by applying pressure on each piece, enough so that the underside of the wood is completely covered with the adhesive. Using a hammer and a tapping block, join the sections of the wood flooring as you progress. For floating floor applications, apply the adhesive into the tongue and groove joints of the flooring sections and press them together. Clean any adhesive residues immediately. Allow for 8-12mm opening between the wall and the wood floor (expansion joint). It is recommended to seal the openings using DUROWOOD DS-POLYMER cartridges, available in 10 selected wood colors.

LIMITATION OF USE

The product is not suitable for wood installations over non-porous materials, such as polished marble or tile, unless the surface is sanded down. It is not suitable for installing beech and maple wood as well as bamboo.

CLEANING

Remove any excess glue immediately with a damp sponge. Clean all tools and hands with warm water.

