

# Blumor™ SD



## PERFORMANCE

Exceptional build-up power



Emissions into indoor air\*: A+



Odourless



Excellent resistance to wear



Stunning appearance



Quick to sand



## RECOMMENDATIONS

For all types of sealing jobs on all varieties of wood\*: in houses or apartment blocks, and areas subject to heavy traffic: restaurants, offices, hotels, schools, corridors, etc.



Can be applied directly in 2 or 3 cts onto Prim'Sealer, Prim'Gold® or S.O. Primer.

## PRODUCT DESCRIPTION

- Blanchon **Blumor™ SD** is a 2-component water-based PU Lacquer. With excellent performance and fast hardening, it's suitable for use in all sealing jobs in houses or apartment blocks as well as areas subject to heavy traffic: restaurants, offices, hotels, schools, corridors, etc.
- **Blumor™ SD** is odourless (the hardener is a true water-based polyurethane product and should not be compared to a cross-linker), which permits easy application on all types of commonly used wood (\*for beech, walnut and rare varieties, please contact us). Its colourless appearance protects and enhances the grain and tone of the wood.
- Available in 3 finishes: Gloss, Satin and Matt.

\*Information on the emission levels of volatile substances into indoor air, presenting a risk of inhalation toxicity, on a scale from A+ (very low emissions) to C (high emissions).

## SURFACE PREPARATION

- Sand old or new flooring: the wood should first be sanded with 24 or 36 grit, further sanded with 50 or 60 grit and then finished with 100 or 120 grit (see Appendix\*, page 2, for details on wood floor sanding).
- Remove all traces of dust.
- The wood floor must be perfectly clean and dry; as a general rule, moisture content should be below 10%; please refer to current codes of practice (do not use detergents or whiteners).
- For glued wood flooring, use Blanchon Pro Filler (water-based filler) or Blanchon Resin Filler, which is recommended for colour-matched filling (please refer to the Technical Data Sheets for these products).

## Insecticide treatment

- Only use treatment products recommended by Blanchon.

## Wood staining

- Floors sanded back to bare wood can be stained with Blanchon Aquateinte™ 2K. After the stain has dried, apply 3 coats of **Blumor™ SD** directly on top (or Blanchon Prim'Sealer or Blanchon Prim'Gold™ and 2 coats of **Blumor™ SD**). Aquateinte™ 2K gives you a complete start-to-finish water-based system; stain + primer + lacquer, without the need for a traditional solvent-based primer to fix the stain.
- Floors sanded back to bare wood can be stained using Blanchon Waterborne Dye for woodfitters (wood, coloured or pastel finish), Blanchon Wood Ageing Agent (positive colours). When using these products, once the stain has dried, apply 1 coat of Blanchon S.O. Primer to fix the stain (do not use Prim'Sealer or Prim'Gold® in this particular case). Then apply 2 coats of **Blumor™ SD** (note that it is not recommended to use a 2-coat system, i.e. 1 coat of **Blumor™ SD** over 1 coat of primer).
- In all cases, never cut back the stain itself, but only the first coat of finishing product, in order to maintain the quality of the stain. It is also recommended to cut back with fine sandpaper before applying the final coat of lacquer.
- Do not use woodstain.

## Use of primers

- The following Blanchon primers can be used as a base coat: Prim'Sealer, Prim'Gold® and S.O. Primer (please refer to the Technical Data Sheets for these products).
- Using Prim'Sealer or Prim'Gold® allows complete, odourless sealing of wood floors and easy application. The colour obtained with Prim'Sealer as a first coat is identical to that of **Blumor™ SD** applied directly on the wood, while the use of Prim'Gold® brings wood (especially high-tannin woods such as oak and chestnut) a warm shade, very close to the shade obtained after a coat of S.O. Primer.
- Using S.O. Primer allows fast sealing and gives the wood an attractive, natural warmth, enhancing the original tone. S.O. Primer is essential as a base for Waterborne Dye for woodfitters, Wood Ageing Agent (positive colours) and Antique Oak Wood Floor Stain before varnishing with **Blumor™ SD** (see § Wood Staining).

## DIRECTIONS FOR USE

### Preparation

- Shake/stir the 2 components well (Lacquer and Hardener) before mixing them together.
- The **Blumor™ SD** Lacquer (Comp. A) and **Blumor™** Hardener (Comp. B) should be mixed together immediately before use. Always use the following measures: 1 part Hardener to 10 parts **Blumor™ SD** Lacquer (by volume). IMPORTANT: shake the mixture vigorously as soon as the Hardener has been added to the Lacquer.
- Mix immediately and very carefully (use a spatula or stick if using a bowl, and not the application tool). The mixture should thicken noticeably to an ideal consistency for use and should be used within 90 minutes.
- No dilution required.

### Application

- Do not lacquer the wood floor if the temperature is below 12°C or if the relative humidity exceeds 85% (in compliance with current codes of practice). Do not use on wood with a moisture content above 10%. Use only in well-ventilated areas. Keep any plants and aquariums away from the environment where the product is being applied.
- Apply 3 even and generous coats of **Blumor™ SD** directly onto the wood, or 2 layers onto your chosen primer (see § SURFACE PREPARATION). The slightly milky appearance of the liquid disappears within a few minutes as it dries.
- Once the first coat has dried, a light sanding is recommended with a buffing machine (fine sanding disc) before removing all traces of dust.
- Sanding is essential if more than 24 hours elapse between coats. This is due to the exceptionally fast hardening of the lacquer.

### Cleaning tools

- Clean tools with water immediately after use. Do not reuse the containers.
- Protecting the environment:
  - Wring out cloths and wipe tools thoroughly after application.
  - Rinse with a little water in a container and allow the water to evaporate.
  - The dry residue can then be discarded in the waste bin.
  - Seal the container properly after use.
  - Dispose of containers at a waste reception centre.
  - Do not discharge the residue into drains.

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## DRYING AND HARDENING TIMES, ETC.

- Dust-free drying time: 45 minutes under normal conditions.
- Before sanding/recoating: 6 hours under normal conditions.
- Do not wait more than 24 hours between coats.
- Full hardening: 8 to 10 days.
- Light traffic: Approximately 24 hours under normal conditions.
- Normal use of the area: take some basic precautions during the first 10 days: do not cover the lacquered wood floor with protective sheets, rugs or carpeting. Do not move heavy furniture around. Vacuum or sweep to remove dust (do not use wet mops or brushes).
- Then protect the floor with felt placed under table and chair legs. If necessary, a good quality mat placed at the entrance to the room will help by retaining dust and gravel. Clean up spillages of water and other liquids immediately, and be careful where you place flower and plant pots.

## COVERAGE

- 10 m² per litre per coat.

## STORAGE

- **Blumor™ SD** (Comp. A): store carefully, protect from frost (take care when storing in vehicles).
- **Blumor™ Hardener** (Comp. B): frost-proof.
- Seal both containers carefully after use.

IMPORTANT: Wipe the neck of the Hardener to prevent the lid from sticking.

## CLEANING AND MAINTENANCE

- **Blumor™ SD** allows easy maintenance of all types of parquet, wood flooring and stairs.
- Remove dust regularly, using a vacuum cleaner or a dustpan and broom.
- Mop the surface occasionally using a damp mop, but never a soaking wet one. Stains and other marks can be removed easily with Blanchon Lagoon™, Blanchon Daily Cleaner or a neutral detergent (follow manufacturers' instructions for normal concentrations).
- IMPORTANT: allow 10 days to elapse before carrying out any cleaning or maintenance to give **Blumor™ SD** time to dry out thoroughly.
- NOT RECOMMENDED: buffing machines, dust mops, silicone waxes, ammonia-based products or abrasive detergents – i.e. all materials and products likely to reduce the slip-resistance of the product or increase its shine level.
- Heavy-traffic areas finished with **Blumor™ SD** can be maintained on a regular basis with Blanchon Protectors Satin or Metamat® and the Daily Cleaner (see the Technical Data Sheets for these products). Frequency of maintenance will depend on usage and traffic.

## RESTORATION

- Any refinishing of a previously sealed floor using **Blumor™ SD** should not be carried out before the wood has been sanded back to bare wood (see § SURFACE PREPARATION and APPENDIX\*).

## TECHNICAL DATA

USE	Wood Floor, Stair And Parquet Lacquer
TYPE DE RÉSINES	Comp. A: water-based polyacrylics Comp. B: water-borne polyurethanes
AFNOR CLASSIFICATION	Comp. A: Family 1, class 7b2 Comp. B: Family 1, class 6a
DENSITÉ du Comp. A	1.03 (at 20°C, as per NF T 30020)
VISCOSITY	Comp. A: 300 centipoises (Brookfield) Comp. B: 300 centipoises (Brookfield)
REGULATORY INFORMATION	Refer to the relevant Safety Data Sheets (also available on <a href="http://www.blanchon.com">www.blanchon.com</a> or on <a href="http://www.quickfds.com">www.quickfds.com</a> )
MIXING (invariable)	10 parts <b>Blumor™ SD</b> Comp. A + 1 part <b>Blumor™ SD</b> Comp. B
BEFORE SANDING/RECOATING	6 hours, depending on temperature and moisture content
SAFETY INSTRUCTIONS	Do not apply if the temperature is below 12°C. Keep out of reach of children
TABER ABRASION RESISTANCE	Weight loss: 30 mg (CS 10 wheels, 1000 rpm, 1 kg)
IMPACT RESISTANCE	> 50 cm (400 g Mandrel) (as per French standard T 30039)
SCRATCH RESISTANCE	7H pencil
RESISTANCE TO HOUSEHOLD PRODUCTS	Vegetable oil, acetone, 40° alcohol, water, coffee, tea, ink; no adverse effects found (after 20 days' drying, as per French Technical Standard 30053). Do not use ammonia-based products

### \*APPENDIX: SANDING A WOOD FLOOR USING A MACHINE

- This is done using a special floor sander, with an edge sander for the edges and a scraper for the corners.
- The floor sander should be used in the direction of the light, or better still, in the direction of the wood grain.
- Work in even, regular "sweeps" to ensure that the entire surface is treated in a uniform manner.
- 1<sup>st</sup> pass: coarse grit (24, 30 or 36) to expose the bare wood and level it.
- 2<sup>nd</sup> pass: medium grit (50 or 60) to get a smooth, even surface.
- 3<sup>rd</sup> pass: fine grit (100 or 120) to obtain a good finish.
- Do all the edges of the room with the edge sander and scraper.
- Polishing with a buffing machine fitted with an abrasive mesh (100 or 120) ensures that the surface is perfectly prepared, especially in the case of flooring that has alternating lines (mosaics, chevrons, herringbone pattern, basket weave pattern, etc.).
- Remove all dust carefully from the area to be lacquered, using a powerful vacuum cleaner and including any skirting boards, window ledges and radiators.

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This Technical Data Sheet cancels and supersedes all previous versions.

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