

Bona Mega

Technical data sheet

Bona Mega is a one-component finish for the surface treatment of wooden floors in commercial and domestic areas subject to heavy wear. As crosslinking is achieved using the oxygen in the air, Mega has the performance of a two-component finish without requiring any mixing. Excellent flow and levelling give an exceptional surface finish which has become Mega's distinguishing mark. The Mega dispersion is based on vegetable oil, a renewable resource, making it a sustainable choice for the future.

- High resistance to wear, scuff marks and scratches
- Very good chemical resistance
- Relaxes wooden floors through low permeability
- Meets DIN 18032:2 for slip resistance (gloss, silk matt & matt)
- Meets Ö Norm C 2354 Category C (very heavy wear)
- Awarded EC1 certification (very low emission)

Technical data

Type of finish:	One component waterborne 100% polyurethane oxygen crosslinking finish
Solids content:	Approx 32%
VOC:	Gloss, silk matt, matt: max 60g/l (NMP-free) Extra Matt: max 80 g/l (NMP-Free)
Resistance to wear:	Approx 5mg/100 revolutions (SIS 923509)
Sheen (at 60°):	Gloss: ~90%, Silk matt: ~50%, Matt: ~25%, Extra Matt ~9%
pH:	Approx 7.8
Mixing ratio:	Ready to use, do not dilute
Drying time, until:	- Ready for sanding: 2½-3 hours* - Light use: 8 hours* - Full hardness: Approx 7 days*
Application tools:	Roller, lacquer brush or lightweight applicator
Application rate:	8-10 m ² /litre
Safety	Unclassified
Shelf life:	One year from date of production in unopened original container.
Storage/transport:	The temperature must not fall below +5°C or exceed +25°C during storage and transport.
Disposal:	Wastes and emptied containers should be handled in accordance with local regulations. Do not allow into drains, watercourses or landfills. Empty, drip-free plastic containers are recyclable.
Pack size	3 x 5 litres (44 boxes per pallet) 10 x 1 litres (50 boxes per pallet)

*under normal climatic conditions, 20°C/60% R.H.

Preparation

Ensure floor is acclimatized to its end-use environment, well sanded, dry and free from sanding dust, oil, wax and other contamination. Coat the surface with a waterborne primer from Bona according to substrate type and personal preference.

Preparation of previously finished floors:

Bona Mega can with an addition of 2% Bona Crosslinker be used for overcoating factory pre-finished and previously finished floors **but the intercoat adhesion must always be checked prior to use!** Floors treated with wax, polish or similar can not be overcoated. Before overcoating the floor should be cleaned and prepared according to the steps detailed in the Bona Prep instruction.

Finishing



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Finishing



Treatment schedule

From bare wood: 1x waterborne Primer + 2-3x Mega
Previously finished surfaces: 1-2x Mega + 2% Crosslinker

For floors where there is a risk of sidebonding, e.g. endgrain floors, softwood plank floors and hardwood floors with underfloor heating, it is recommended to use Prime Classic or Prime Intense for the initial treatment, as well as taking measures to stabilize the climate.

It is not recommended to apply more than two coats of primer/finish per day to avoid the risk of excessive swelling of the wood.

Application

1. Allow finish to come to room temperature and shake well. Optimal conditions are achieved between 18-22°C and 40-60% relative air humidity. High temperatures and low humidity shorten drying time, low temperatures and high humidity lengthen the drying time. **Absolute minimum temperature for use is 13°C.**
2. If overcoating previously finished surfaces then add Bona Crosslinker to the finish before use. After having determined the quantity of finish required, first dilute the amount of Crosslinker to be added (2%) with an equal volume of water and shake well. Add the mixture crosslinker+water directly to the finish and shake carefully. The mixture of finish+crosslinker must be used within 8 hours.
3. Apply the finish using a Bona Roller. Start at the edges and then roll with a smooth flowing action alternately across and with the grain of the wood. Avoid accumulations of finish and overlap wet-in-wet without interruption.
4. Allow to dry before applying another layer of finish. Anticipate slightly longer drying time for each layer that is applied. If necessary make an intermediate sanding using a screen or the Bona Scrad System grit P150 or finer before applying the final layer of finish. **Note:** If the previous layer of finish has been allowed more than 24 hours drying time then an intermediate sanding is always required.
5. The floor will take light foot traffic approximately 8 hours after the final application. Allow the surface to dry for at least 1 week before covering with carpets or other floor coverings, or loading with heavy objects. Also avoid damp mopping the floor until after this time.

Maintenance

The floor will take light foot traffic approximately 8 hours after the final application. It is recommended that full heavy use is avoided for 72hrs. After approximately 1 week the finish will be completely cured. The floor can then be cleaned using a damp cloth and a neutral or slightly alkaline cleaning agent, e.g. Bona Cleaner, and carpets/rugs can be laid.

Clean the floor with Bona Cleaner or Bona Wood Floor Cleaner and a microfibre pad. For maintenance and upkeep of the surface, floors should be overcoated at intervals with additional coats of Bona Mega. The frequency of this operation can be greatly reduced if Bona Freshen Up or Wood Floor Care Refresher is applied periodically. This will restore the appearance of a dull floor whilst still allowing further coats of lacquer to be applied without the need for sanding the floor back to bare timber.

Detailed information on the Bona range of maintenance products, including Cleaners and cleaning equipment, is available at www.bona.com and from local Bona distributors.

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