



Transspeed HD 2K Hardener

timber floor finish

Product Introduction

bonshure HD Transspeed Hardener is a high-quality water-based crosslinking additive designed to enhance the durability, chemical resistance, and mechanical strength of bonshure waterborne polyurethane topcoats. It improves hardness, scratch resistance, and overall performance, making it ideal for demanding timber floor applications in both residential and commercial environments.

Features

- Low odour, eco-friendly
- Easy mixing and application
- High resistance to scratches and wear
- Excellent flow and leveling, no bubbling
- Fast drying with high solid content
- Non-yellowing, long-lasting finish
- Enhances durability and hardness

Preparation

- Ensure wood surface is clean, dry, and free of dust, wax, grease, or contaminants.
- Recommended to use Bonshure waterborne primers for best adhesion and performance.
- Shake the Bonshure topcoat thoroughly before mixing with HD Transspeed Hardener.
- After mixing, stir well for at least 1 minute. (Add a clean filter water and stir for e-3 only.)
- Use the mixed system within **2 hours**.

Mixing Ratio & Sheen Levels

Bonshure Topcoat Mixing Ratio (Topcoat : Hardener : Water) Sheen Level (after cure)

E3	9.36 : 1 : 3	80% Matt Finish
E7	9.36 : 1	50% Gloss Finish
E9	9.36 : 1	90% Matt Finish

Application

- Apply 2 coats of bonshure waterborne primer as required.
- Apply bonshure topcoat mixed with HD Transspeed Hardener according to the ratios above.
- Recommended tools: sponge applicator, floor coater, microfiber roller, or T-bar applicator.
- Drying time: 2–3 hours per coat (at 28°C and good ventilation).
- Light foot traffic after ~8 hours.
- Full hardness achieved after 7 days.

Technical Data

- **Solid Content:** ~40%
- **E7 & e9 Coverage:** 1,300–1,400 sq. ft.
- **E3 Coverage:** 2200-2400 sq. ft.
- **Intercoat Adhesion:** Can be recoated without abrasion within 24 hours
- **Recommended Sanding:** Water sandpaper grit 240–320
- **Shelf Life:** 12 months (unopened container)
- **Storage:** Store in cool, dry place away from direct sunlight
- **Packaging:** 500 ml
- **Technology:** German

Storage & Handling Precaution

- Each hardener bottle is fitted with a rubber insert to maintain product quality.
- If there is remaining hardener after use, please wipe off any residue on the insert area and the rubber insert before sealing.
- Reinsert the rubber insert securely after cleaning.
- Do not remove the rubber insert permanently or leave the bottle open, as this will cause the hardener to spoil and reduce its effectiveness.

Suitable Applications

- Timber flooring in sports halls, wood slab, offices, hospitals, retail spaces, and active households
- High-traffic areas requiring extra resistance against scratches and wear

Important Notes

- Always follow recommended mixing ratios.
- Mixed material should be used within 3 hours.
- Final results depend on application conditions; always test in a small area before full application.

Our information based on laboratory tests and practical experience and may as such be considered a guide in connection with choice of product and working method. As the users working conditions is beyond our control, we do not assume any responsibility for the result. Our responsibility covers exclusively personal injury or damage to property which actually have been proved subsequent to faults and defects in one of the products manufactured by us.

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