

Product Information and Technical Datasheet

PRODUCT DESCRIPTION

CHOOSE NanoTech DuralBond is a clear, ready-to-use, innovative surface coating able to resist water and dirt. By using the nano technology, DuralBond creates a very good barrier by chemically binding to the substrate, which provides for easy to clean ability such as the water, dirt, grease and other stains. The protected material can be cleaned numerous times without reapplication. DuralBond is resistant to solvents, acids, bases and chemicals. DuralBond is applied as one component coating. No mixing with another material is required. Only a thin film of DuralBond is needed to provide superior protection.

FINISHING

DuralBond series is a transparent finish that is recommended for exterior and interior coatings, which offer a smooth and slippery feeling on the surface with high quality touch feeling.

SUGGESTED APPLICATIONS

CHOOSE NanoTech DuralBond provides excellent protection from corrosion on ferrous, non-ferrous and galvanized metals, glass, painted and powder-coated surfaces, wood, stone and synthetic materials. DuralBond will not alter the appearance of the original substrate.

CURING CONDITION

Dry to touch will be accomplished within 2~8 hours at room temperature depends on product formula. Full curing is accomplished at room temperature after applying for 3-5 days.

WORKING METHOD

DuralBond is easy to install which can be applied by brushing, dipping, spraying and wipe-off.

STORAGE & PACKAGING

DuralBond is available in 1L bottle, 20L and 200L drum. DuralBond is one component materials, without any harder for reactions. It can keep stable in room temperature and no need storage in low temperature condition. The shelf life under room temperature is 5 year in original pack.

COVERAGE

DuralBond covers approximately 900 cm²/ml (by HVLP spraying) when applied to hard, non-porous substrates such as steel, aluminum. Coverage will be less on textured surfaces like wood and stone.

IMPORTANT

All surfaces must be cleaned all traces of existing graffiti, dirt, dust and other loose material prior to the DuralBond application to get a longer duration. Before the coating is fully cured, be sure to keep away from the water or high humidity areas.

FEATURES

- *Permanent bond coating*
- *Easy-to-clean surface enabled*
- *Anti-graffiti & anti-fingerprint*
- *Thermal resistance up to 850°C*
- *Excellent weatherability*
- *UV resistance & xanthochromia proof*
- *Advanced chemical resistance*
- *Oxidation and corrosion resistance*
- *Outstanding durability*
- *Ambient temperature curing*
- *Fluorine-free*
- *Low VOC*

TECHNICAL DATA

Appearance : Clear and colorless
Hardness : Up to 9H which depends on substrate
Flash point : 43°C~60°C depends on formula
Adhesion : excellent to most substrates
Viscosity : 20~30 mPa.s (20 °C)
Density : 0.94-0.96 g/cm³
Drying times : 2~8 hours for tack-free at 20 °C
(depends on product formula)
3~5 days for full function at 20 °C