

OXIBOND 4008

FOOD-GRADE, SINGLE-PACK ACRYLIC WATERPROOFING MEMBRANE



DESCRIPTION

Oxibond 4008 is a high-build elastomeric, single-pack roofing compound. Based on special Acrylic Polymers, it is ideal for dry substrates where it forms a seamless, joint free, water and weather tight elastic membrane.

RECOMMENDED FOR

- Suitable for roofs ranging from asphalt and asbestos cement to terrazzo tiles and concrete.
- Use as a waterproofing membrane on traditional (warm roof), un-insulated and inverted, horizontal or inclined roof structures.
- Waterproofing for horizontal and vertical substrates.
- Oxibond 4008 is suitable to come in contact with foods or potable water.

KEY FEATURES

- Resistant to aging
- Accepts light foot traffic
- Withstands temperatures from - 5° C to+100° C
- Ease of application
- High build for high film thickness
- Non-toxic & non-hazardous
- Non-flammable as a liquid compound

PHYSICAL PROPERTIES

Film finish	Textured flat finish	
Spreading Rate	3.5 sqm/Kg. depending on surface and application technique	
% weight solids	51 ± 1	as per ASTM-D-1076
Viscosity	70000-90000 cP (Spindle 7 / Speed 10)	
Density	1.32 ± 0.05	as per ASTM-D-1475-16
Average Dry Time	Approx. 30 min for touch dry	
Tensile Strength	1 N/mm ²	as per ASTM-D-412
Elongation at Break	440 %	as per ASTM-D-412
Hardness, Shore A	68	as per ASTM-D-2240
Permeability	Pass	as per ASTM-E-398
Adhesion to concrete	1.2 N/mm ²	as per ASTM-C-297
UV resistance	2,000 hrs. No deterioration, no color fade	as per ASTM-D-822
Thinner	20% water	

SURFACE PREPARATION

All surfaces must be cured, clean, dry, and free from dirt, dust, rust, stains, grease, oil, mildew, wax, efflorescence, bond-breakers and other contaminants. Remove all loose, peeling, or chalky paint by sanding, scraping, or any other appropriate methods. Repair all cracks, holes, and other surface imperfections with a suitable patching material. Repaired surfaces should then be sanded smooth and dusted clean. Fill in cracks more than 0.8mm wide. It is always advisable to wait 28 days before treating fresh masonry.

New plaster or masonry surfaces must be allowed to cure (28 days) before applying base coat. Cured plaster should be hard, have a slight sheen and a maximum pH of 10. A soft, porous or powdery plaster indicates improper cure. Never sand a plaster surface; knife off any protrusions and prime plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles.

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CAUTION: Scraping or sanding surfaces of older buildings may release dust containing lead or asbestos. EXPOSURE TO LEAD OR ASBESTOS CAN BE VERY HAZARDOUS TO YOUR HEALTH. Always wear appropriate personal protective equipment during surface preparation and finish clean up of any residues by water-washing all surfaces.

Prepare the surfaces as follow depending on type:

Old asphalt surfaces and bituminous roofing felt: Cut felt blisters crosswise, dry and rebond with suitable adhesive. Allow to cure. Then prime cleaned surface with Oxibond 4750.

Concrete & Terrazo tile roofs: Following removal of all loose and other alien material, prime with Oxibond 4008 diluted with water. Greater dilution may lead to weaker bonding with the substrate.

Metal roofs: Clean and remove all rust and apply a rust inhibitive primer. Follow this by applying metal primer to all corroded surfaces.

Other roofs: Should the roof be affected by algae or fungal growth, use a stiff bristled broom to remove this before treating the cleaned surface with a suitable fungicide, and apply primer coat after consulting with Colortek's technical team.

APPLICATION CONDITIONS

Do not apply at temperatures below 5 °C or when rain is expected.

APPLICATION METHOD

Oxibond 4008 may be applied by brush, roller, squeegee or spray equipment depending on site conditions. To spray, select a nozzle size of at least 0.028 in.; first checking the spray equipment to ensure suitability.

Apply Oxibond 4008 in a layered system:

- Diluted Oxibond 4008 to serve as primer coat.
- Once primer coat has dried, apply the first coat of Oxibond 4008.
- Where substantial movement is anticipated in the substructure, Use Colortek 4980 mesh for reinforcement as part of the membrane system. Lay this mesh in the wet first coat before application of subsequent coats. All detailing to pipes, drains, projected line etc. should be mesh reinforced in this way.
- Apply second coat of Oxibond 4008

Note 1: Apply at rate of 0.8 kg/sq m. (excluding the Oxibond 4008 primer coat). The final coating thickness to be achieved depends on the requirements of the individual roof. A final dry film thickness between 0.5 and 1.5 mm may be built-up.

Note 2. The Diluted Oxibond 4008 primer coat must be completely dry before the first coat is applied.

Note 3. For spraying, Oxibond 4008 may be slightly diluted with water. Too great a dilution may lead to sedimentation and blocking of spray gun.

Note 4. Allow 24 hours between coats. A final curing time of 48 hours is adequate at normal working temperatures. Ensure curing is complete before laying thermal insulation boards, mechanical protection and other coverings. Low temperatures and high atmospheric humidity will slow down the curing rate, and vice versa.

PRECAUTIONS

Bitumen or asphalt roof surfaces to receive a coating of Oxibond 4008 should be totally dry. Trapped moisture can lead to severe problems later.

Never apply if rain is imminent.

Application of thick coat at temperature below +5°C may result in incomplete film formation, with reduced elasticity and the possibility of crack forming.

Oxibond 4008 is resistant to light foot traffic. However, heavy traffic, high heel shoes, furniture, etc. will cause damage. In these cases, the membrane should be protected by tiles, slabs, etc.

Do not clean the cured Oxibond 4008 coating with brooms that have hard bristles. These may cause damage.

Do not use Oxibond 4008 on areas that will be constantly submerged in water.

PACK SIZE

- 1 US Drum – 20 kg
- 1 US Gallon – 4 Kg

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SHELF LIFE

24 months from the date of production.

STORAGE AND HANDLING

Care should be taken to avoid spillage. Product should be stored in a dry area and protected from freezing. Extreme temperatures may cause paint to become unusable. For example: freezing and thawing may cause paint to gel, and high heat may cause solid skin to form.

SAFETY

Use under well ventilated conditions. Do not breathe or inhale spray mist or sanding dust. Avoid skin contact; spillage on the skin should immediately be removed with suitable cleanser, soap and water. In case of eye contact, flush immediately with water for at least 15 minutes and seek medical attention immediately. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

CLEANING

Remove as much leftover product as possible from the application equipment before cleaning. Clean equipment immediately after use with warm soapy water and rinse thoroughly. Do not empty product into drains or watercourses.

TECHNICAL ASSISTANCE

Available through your local COLORTEK® Design Center or through your COLORTEK PAINTS® authorized distributor. For the location of the retailer nearest you, email us at info@colortek.eu or check our website www.colortek.eu.

DISCLAIMER

Product batches are subject to stringent quality control checks in conformity with ISO 9001:2015, Certificate LB18/234269.

The information submitted in this manual is correct to the best of our knowledge & experience. No liability whatsoever can be accepted on the basis of the information supplied herein.

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