

HydroSeal Deck Membrane



A SIKA COMPANY

GENERAL DESCRIPTION

HydroSeal Deck Membrane is a high performance two-component, fast-curing, poly methyl-methacrylate (PMMA) resin.

BASIC USE

HydroSeal Deck Membrane is combined with HydroSeal Catalyst and HydroSeal Fleece reinforcement to form a monolithic, reinforced waterproofing membrane for balconies or terraces, either exposed with appropriate HydroSeal Finish or concealed with hard set tiles or pavers. Flashing of all terminations and penetrations is accomplished with HydroSeal Flashing Membrane.

APPLICATION

- The product can be applied at substrate and ambient temperatures between 37°F (3°C) and 95°F (35°C). The temperature of the substrate must also be at least 5 degrees above the dew point temperature.
- All substrates must be clean, dry, and free of oil, grease, curing compounds, release agents, laitance, gross irregularities, loose, unsound or foreign material such as moss, algae growth, dirt, ice, snow, water or any other condition that would be detrimental to adhesion of resin to the substrate. All substrates must be primed with the appropriate HydroSeal Primer prior to the application of HydroSeal Deck Membrane.
- All termination and penetration flashing details should be completed with HydroSeal Flashing membrane prior to the application of the HydroSeal Deck Membrane over the field of the deck.
- Thoroughly mix the entire drum of resin for 2-3 minutes before each use, before adding catalyst, and prior to pouring off resin into a second container (i.e., plastic paint bucket/pail) for batch mixing.
- Catalyze only the amount of material that can be used within 15-20 minutes.
- Add pre-measured catalyst to the resin component (see table 1) and stir for 2-minutes using a slow-speed mechanical agitator or stirring stick.
- The amount of catalyst added is based on the weight of the resin used and the anticipated ambient conditions.

catalyst required per 1-kg of resin used					
4% Catalyst 37°F to 50°F (3°C to 10°C)		3% Catalyst 50°F to 68°F (10°C to 20°C)		2% Catalyst 68°F to 95°F (20°C to 35°C)	
g	kg	g	kg	g	kg
40	.04	30	.03	20	.02

Tip: Each scoop provided with the HydroSeal Catalyst is equal to roughly 0.01 kg. i.e., 2% catalyst for each 1 kg of resin = 2 scoops of catalyst powder; 4% catalyst for each 1 kg resin = 4 scoops of catalyst powder, etc.

- Pot life and working times noted below are approximate, provided as a guideline, and may vary. Actual set and cure times should be established in the field based on actual field conditions.
 - Pot Life: approx. 20 – 30 minutes
 - Rainproof: approx. 30 minutes
 - Next Coat: approx. 1 hour
 - Fully Cured: approx. 3 hours
- After mixing, apply resin to the properly primed substrate at a rate of 0.21 - 0.31 kg/sqft (2.3 to 3.3 kg/sqm) using approved rollers or brushes. The resin should be spread evenly onto the surface.
- Roll HydroSeal Fleece reinforcement directly into the resin, avoiding any folds and wrinkles. Use a roller to lightly work the resin into the fleece, saturating from the bottom up. Note the fleece should darken in appearance, with no white spots show. White spots are indications of unsaturated fleece or lack of adhesion. It is important to correct these faults before the resin cures.