CARESEAL **MS205**

High Performance Vapour Barrier and Moisture Seal

CARESEAL MS205 high performance poly epoxides resin based concrete moisture barrier and sealer is designed to exceed the ever changing needs of both the industrial and commercial markets for hygienic and safe applications . CARESEAL MS205 Systems are unique as they are specifically formulated to meet the demands of existing and new build fast track projects.
It is two component, exterior/interior, low-VOC, high-solids, performance solution , provides a high moisture and chemical resistance, color retention and chalk resistance. CARESEAL MS205 protects finished flooring, coatings and adhesives from concrete slabs containing extremely high relative humidity (RH). The resin rich sealer that are moisture tolerant are ideally suited to the most aggressive environments, solvent free, non tainting and fully serviceable at temperatures up to 120° centigrade. CARESEAL MS 205 is suitable for concrete and other various substrates .



Features

- Good Moisture barrier and primer prior to the application of epoxy or polyurethane floor topping
- Excellent vapour barrier on concrete or masonry prior to top finishing
- Excellent adhesion to most substrates
- Compatible with most coverings and finishes of floor and wall
- Electrical conductivity
- Weather stability and neutralizes high PH in concrete
- Good leveling and excellent chemical, oil resistance
- Low VOC and no toxic

CARESEAL MS205 was designed for use as a permanent, low VOC, effective solution to protecting finished topping systems from concrete moisture related issues and extending the integrity and life of concrete surfaces. CARESEAL MS205 can be applied at the time of the concrete pour, to new and existing concrete surfaces, and can be applied underneath or over the surface of any cement based concrete screed or patches. CARESEAL MS205 solidifies to fill the pores below the surface of the concrete slab preventing moisture from reaching the surface. CARESEAL MS 205 suitable for interior and exterior applications including concrete slabs below/on/above grade, garages, driveways, patios, porches, sidewalks, concrete pavers, food industries flooring , hospitality and health care industries. CARESEAL MS205 also used over extremely porous concrete floor and block walls.

TYPICAL PROPERTIES (LIQUID)

Mixed Usable Pot Life	30 t0 40 minutes @ (24°C)
Solid by volume	100%
Application temperature	5 °C to 45° C
Dry time	8 Hrs @ 25°C
Full cure	24 Hrs @ 25°C
VOC	50 g/L

engineered to perform

TECHNICAL PROPERTIES

Hydrostatic pressure	≥ 310kPa	ASTM 1306C-05A
Water vapor transmission rate	≤ 0.1g/h/m²	ASTME96/E
PERMEANCE	≤ 0.1 perms	ASTM E 96
WATER ABSORPTION	No swelling or softening	ASTM D 471
U.V Resistance	ASTM G 53	Excellent
SOLAR REFLECTIVE INDEX	ASTM C 1549-09	88%
VOC	MPI 147	≤50 g/L

SURFACE PREPARATION

All surfaces must be clean and free of any moisture, dirt, oil, grease, soapy films, surface chemicals, or other foreign contaminants. Surfaces shall be free of sharp projections, ridges and losses aggregate. The actual surface preparation procedures which are to be followed on a specific project will vary depending upon the age of the concrete, the degree of finishing or troweling, or presence of contaminants or curing compounds.

Use a hose or rinse the cleaner off the concrete. Be sure to make a plan or draining the floor surface after rinsing. Let the concrete fully dry for 24 hours .Fill in any cracks in the concrete using Organix suggested filler material and let the caulk dry according to the manufactures instructions.

MIXING

Each component should be individually mixed for a few minutes to ensure homogeneous consistency. If the product has been in long term low temperature storage, some crystallization may develop .Use a mechanical driven paddle to mix for 3 minutes @300 rpm .Avoid air entrapment while mixing.

COATING APPLICATION

Through mix CARESEAL MS 205 prior to utilizing the material. Apply by brush, roller or airless spray and assure positive coverage and uniform film build. All surface must be uniformly coated and be free from voids, pinholes and blisters. This will take a minimum of 4 hours to obtain touch free and proceed the laying of floor toppings.

COVERAGE

Coverage rates will depend on the profile of the substrate. 4 sq.m/Litre is the coverage.

PACKING AND SHELF LIFE

20 L, If stored under covered roof, shelf life will be 24 months.

SAFETY

Refer to the Material Safety Data Sheet (MSDS) for detailed information about the product and transportation and classification criteria.

engineered to perform

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