

Basic Description

A liquid applied rubber waterproofing membrane used to waterproof tile substrates, drywall, plastic, plywood, steel, concrete and masonry. It consists of a self curing liquid elastomeric coating which is cold applied with an integral reinforcing fabric to form a thin, load bearing flexible waterproofing system. Ceramica I-M 9220 dries overnight for the application of ceramic tiles, quarry tiles, concrete toppings, terrazzo and other surfacing material.

Fiberglass reinforced Ceramica can also be used to create an anti-fracture membrane. This flexible substrate spreads the surface tension caused by temperature change and settlement. This reduces the possibility of cracking of the tile surface.

Uses

Can be used for floors and walls where a light duty membrane is required such as for bathrooms, kitchens, showers and balconies.

Recommended Surfaces

For use on structurally sound, clean floors, walls and other surfaces that require waterproofing such as concrete, gypsum plaster, steel, concrete blocks, plywood, cement plaster, masonry, and gypsum wallboard.

Advantages

COLD APPLIED with a brush or roller. Eliminates hot kettles, the danger of fire and fumes. **FAST CURE**. Install waterproofing today, cover with surface and finish tomorrow. **LOADBEARING**. Hard surfaced flooring and wall finishes may be installed directly on the membrane. **ELIMINATED DEPRESSED SLABS**. Does not need protective fill. **VERSATILE**. It has excellent adhesion to a variety of surfaces. **WATER & CHEMICAL RESISTANT**. Unaffected by exposure to water, brine, urine and sugar and snow melting chemicals. **EASY TO APPLY**. No mixing or special techniques required. Requires no special tools or equipment.

Limitations

Not recommended as a single ply roofing or where subject to direct exposure to sun, weather or traffic. 9220 membrane must be covered with concrete, tile or other protective surfacing. Not recommended where exposed to hydrostatic pressure, rubber solvents and keytones.

Cautions

Protect from freezing. Application should not be made when surface temperature is below 2°C or 35°F. Do not expose to water until membrane is fully cured, 3 to 5 days at 70°F. Ensure that area is well ventilated during application. Membrane must be covered with concrete, tile or other protective surfacing.

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Physical Properties

Colour	-	Black
Dry film thickness	-	20 mils minimum
Coverage	-	1 litre per square meter
Service Temperature	-	-20°F (-23°C) to 180°F (82°C)
Tensile Strength	-	415 lbs per inch (74 kg per c/m)

Preparatory Work

Surface must be clean and sound and free of oil and grease. Sharp protrusions must be leveled. Precut the reinforcing fabric allowing 5 cm (2 inches) for overlap at the ends and sides. Roll up the fabric in preparation for placement.

Application

Use a paint roller or brush to apply a thin even coat of 9220 liquid to the floor or wall slightly wider than the fabric width. Include joints and coves which have previously been reinforced. While the surface is still wet, unroll a precut piece of fabric into it (lap fabric 2 inches or 5cm at seams). Then, use a brush to imbed the fabric into it and smooth out any wrinkles. As the fabric is embedded, the liquid must bleed through. Immediately apply a coat of liquid to completely cover the fabric. Allow to dry overnight. Ensure that there are no voids in the top coating.

Ceramic tiles and other finishes may be installed directly over the membrane as soon as it is dry, usually the next day. Tile should be installed with latex thin set mortar, epoxy adhesive or by the conventional thick bed mortar method to the standards of the Ceramic tile industry.