

Magma Alliance Duo Plus

Acrylic-Polyurethane hybrid emulsion with fibre re-inforced waterproofing membrane for roof & building facade



Available in white, grey and terracotta colors

Features & Benefits

- Compatible with all mineral substrates such as, concrete, brickbat coba, fiber cement sheets, terracotta tiles etc
- When built at high thickness by multiple layer application (min 3 layers), no protective screed is needed
- Single Component - easy to apply
- Exceptional blend of elasticity & tensile strength that retains the protective properties against surface expansion & contraction during heating & cooling periods
- UV resistant and breathable hence durable
- Weather resistant
- Crack Bridging
- APEO, NMP, NEP & formaldehyde free

Primary Application

Magma Alliance Duo Plus can be used for roof waterproofing of old and new buildings. It can be applied on the accessible roofs where light foot traffic is expected. It can be applied on the flat and slopped roofs & building facades.

Packing

20kg bucket.

Coverage

Practical coverage may vary from surface to surface. Theoretical coverage value is 0.675kg/m²/coat (Three coat application is recommended). One pack of 20kg covers approx. 120 sqft (1 primer coat + 2 top coats) However coverage on a given substrates should be determined by trials.

Application Methodology

The proposed methodology of waterproofing aims at waterproofing of concrete slab.

Sequence of Application

- Surface Preparation
- Installation of Fillets
- Application of Waterproofing Membrane

A. Surface preparation

The surface shall be thoroughly cleaned using wire brush, vacuuming, and water jet in order to remove all the loose particles, laitance, grease, wax, dust, and any other bond breaking materials. The cleaned surface should be saturated surface dry condition, avoid stagnation of water.

B. Installation of Fillets

Many waterproofing defects occur in the wall-floor junctions. Where Horizontal and Vertical areas connect at a 90 degrees angle. This wall - floor junction is rounded out by installing a concave fillet. Create the fillets of 75mm x 75mm at the intersecting corners of vertical and horizontal surface using cement-sand mortar over a coat of SB bonding emulsion(a styrene butadiene rubber based multipurpose polymer bonding agent).

C. Application of Waterproofing Membrane

Magma Alliance Duo Plus is a single component fibre reinforced, high build liquid applied membrane based on selected acrylic polymers. For optimum performance, the membrane shall be built up in three layer application by brush or roller.

Primer coat

Magma Alliance Duo Plus shall be mixed with water at 1:1 ratio and applied as a primer on the prepared surface.

Top Coat

Magma Alliance Duo Plus shall be thoroughly stirred before application. The material is applied in two coats allowing 3 hours before subsequent coat is applied using a stiff brush. The material should be applied vertically and horizontally to work into the substrate. It is also possible to apply with a roller. The fresh coating is water soluble and must be protected from rain until it has fully dried. The formation of puddles or standing water must be avoided prior to the application. Minimum of 3 coats shall be applied for optimum performance (includes primer coat).