

Solvent Free Seamless Flexible Polyurethane Resin Floor Coating, For General Flooring and Wall with High Performance, Chemical Resistance & Protection against Corrosion

Thickness Applied: From 0.50mm up to 1.60mm thick

Product Application: **Build Bond FC** is medium-viscosity solvent free modified polyurethane resin contains. Offers high hardness, chemical resistant and protection against corrosion. The coating has applied on floor or wall system for warehouses, car park decks, garages, shopping centers, precision industrials, hospitals, pharmaceutical processing food processing industrials, electronic industrials, kitchen area and chemical plants other etc.

Advantage & Properties: The specific advantage offered by solvent free coating. Very good adhesion, the system recommended for concrete can also be applied on other concrete floors or walls, mineral substrates, as stones, bricks, fibre-glass, plaster, metal surface or even tiles and glass.

Ultraviolet Resistance: **Not reflection to eye and no yellowing after 100 hours.**

- Very good flow mechanical properties following optimal cure.
- Good in no dust from substrate coatings easy to clean, improved visibility.
- Excellent of chemical resistance, good on hygienic floor and wall surfacing.
- Adhesion promoting primers between old with new concrete.
- Non-toxic, the coating has been cured applied on health floor.

Mechanical Performance of Properties

Tensile Strength	25°C [N/mm ²]	> 10 (± 0.2)
Elongation at Break	25°C [%]	65
Tear Strength	25°C [N/mm ²]	> 11
Traffic Cured	25°C [hour]	> 24
Hardness Shore D		60
Viscosity	25°C [mPas]	9500 (± 500)
Taber Abrasion Resistance	[mg]	37
Modulus of Elasticity	[N/mm ²]	15500
Service Temperature	[°C]	15°C-Max. 40°C
Application Temperature	[°C]	Min.10°C-Max. 38°C
Density	[g/cm ³]	1.50
Surface Resistivity	[ΩOhm]	3 x 10
Coefficient to Thermal Expansion		1.5 x 10 ⁻⁵ /°C

Build Bond FC

Polyurethane Resin Floor Coating

Surface Preparation Surface to be repaired or sealed must be clean and sound. Concrete must be free of dust, laitance, sealers, grease and other bond inhibiting contaminants.

Concrete Floor Slab must cured at least 28 days and have with minimum Compressive Strength of 5,000 psi. Those cement slurry, plaster droppings, etc. must be remove, the surface of concrete free of oil, grease, and other loose particles and contaminations.

Build Bond FC, it's easy to applied, there for using roller or brush on R.C. Surfacing. Application must be made in two layer coats with, first layer coat coverage from 0.50 kg/m² and second layer coat coverage from 1.00 – 1.50 kg/m².

Packing & Size: 10 kg per pack

Coverage: 0.50 kg/m² for first coats
1.00 – 1.50 kg/m² for heavy body coats

Mixing: Supplied as two-component system. Mix materials with low speed drill and paddle for approximately four minutes. Insure a thorough mix. Never mix more material than can be used in (20) minutes. Do not apply Polyurethane when ambient or surface temperatures are below 10 °C.

Mixing Method System Using **Part B** pour into **Part A** container. Mix with a slow speed drill and helical spinner head for 1 - 2 minutes, ensuring then is not entrain air until homogeneous.

Application Immediately after mixing, within 1 – 2 minutes of mixing spread the topping onto the floor to the required thickness using a brush or roller to apply.

Available of Color Grey, Beige, Green, Blue, Cotta Red & Yellow

Storage 12 months from date of manufacture in original sealed container stored undercover 25 °C, at ambient temperature away from heat, and dry conditions. For clearing equipment, use special solvent liquid.

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Health & Safety Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheets, available from **LAMACO Malaysia** on request and sent with each delivery.



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