

**Solvent Free Acrylic Resin Coating for General Floor and Wall. High Performance, Chemical Resistance & Protection against Corrosion**

**Thickness Applied:**      **From 0.15mm thick for Medium-duty Floor/Wall**  
**From 2.00mm thick for Heavy-duty Floor/Wall**

**Product Application:**      **Acrylic Bond**, is medium-viscosity solvent free acrylic resin contains. Offers high hardness, chemical resistance and protection against corrosion. The coating has applied on floor or wall system for warehouses, car park decks, garages, shopping centers, precision industrials, hospitals, 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.**

- ❖ Adhesion is always good on mineral substrates surfacing.
- ❖ 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 coatings have been cured applied on health floor.

**Mechanical Performance of Properties**

			<b>Acrylic Bond 1025 Two Components</b>	<b>Acrylic Bond 1010 Three Components</b>
Compressive Strength	25°C	[N/mm <sup>2</sup> ]	<b>35 (± 3)</b>	<b>48 (± 3)</b>
Tensile Strength	25°C	[N/mm <sup>2</sup> ]	<b>6 (± 1)</b>	<b>6 (± 1)</b>
Elongation at Break	25°C	[%]	<b>2.10</b>	<b>2.10</b>
Bond Strength	25°C	[N/mm <sup>2</sup> ]	<b>&lt; 2.05 (± 0.3)</b>	<b>&lt; 2.05 (± 0.3)</b>
Flexural Strength	25°C	[N/mm <sup>2</sup> ]	<b>14 (± 2)</b>	<b>16 (± 2)</b>
Traffic Cured	25°C	[hour]	<b>&gt; 24</b>	<b>&gt; 24</b>
Bonding cured	25°C	[h]	<b>&gt;12</b>	<b>&gt;12</b>
Viscosity	25°C	[mPas]	<b>7500 (± 1000)</b>	<b>12500 (± 1000)</b>
Abrasion Resistance		[mg]	<b>80</b>	<b>80</b>
Service Temperature		[°C]	<b>- 05 °C to Max. 60 °C</b>	<b>- 05 °C to Max. 60 °C</b>
Application Temperature		[°C]	<b>Min. 10 °C to Max. 38 °C</b>	<b>Min. 10 °C to Max. 38 °C</b>
Specific Gravity	25°C	[gm/cm <sup>3</sup> ]	<b>1.15 [± 0.08]</b>	<b>1.85 [± 0.08]</b>
Coefficient of Thermal Expansion			<b>1.5 x 10<sup>-5</sup>/°C</b>	<b>1.5 x 10<sup>-5</sup>/°C</b>
Surface Resistivity	25°C	[Ω]	<b>3 x 10<sup>8</sup> Ω</b>	<b>3 x 10<sup>8</sup> Ω</b>

**"Acrylic Bond 1025" for New Reinforced Concrete & Steel**

**Surface Preparation**

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

Steel surface shall be sand-blasted to SS 2 Standard and de-rust to ST 2 Standard 50mm rich primer is recommended for priming.

Concrete must cured at least 28 days and have with minimum Compressive Strength of 20 N/mm<sup>2</sup>. Those cement slurry, plaster droppings, etc. must be remove, the surface of concrete free of oil, grease, and other loose particles and contaminations.

**Acrylic Bond 1025**, it's easy to applied, there for using roller or brush on R. C. Surfacing & Steel Surfacing. Application must be made in three layer coats with, one layer coat pf **Epo Bond Primer (Refer to Coverage Chart)**

**Existing Reinforced Concrete & Steel**

**Surface Preparation**

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

Steel surface shall be sand-blasted to SS 2 Standard and de-rust to ST 2 Standard 50mm rich primer is recommended for priming.

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.

**Acrylic Bond 1025**, it's easy to applied, therefor using roller or brush on R. C. Surfacing. Application must be made in two layer coats with, first layer coat coverage from 8-10 sq. meter per kg and second layer coat coverage from 8-10 sq. meter per kg.

**Packing & Size:**

10 kg per pack

**Coverage:**

100gm/m<sup>2</sup> for first coats      8-10/m<sup>2</sup> per kg  
 100gm/m<sup>2</sup> for second coats      8-10/m<sup>2</sup> per kg

**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 thirty (30) minutes. Do not apply Acrylic when ambient or surface temperatures are below 50 °F

**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.

**Examples: Acrylic Bond 1025**

**Calculation Format for Floor/Wall Coating**

Products	System	Require of Thickness	Require kg/m <sup>2</sup>	Unit Rate US\$/kg	Unit Price/m <sup>2</sup>
Concrete Floor with semi smooth					
<b>Epo Bond Primer</b>	Solvent Free Primer	0.05mm	0.06		
<b>Acrylic Bond 1025 [1<sup>st</sup> coat]</b>	Solvent Free Resin	0.08mm	0.10		
<b>Acrylic Bond 1025 [2<sup>nd</sup> coat]</b>	Solvent Free Resin	0.08mm	0.10		
Total Thickness		<b>0.21mm</b>			
Cost of Material & Wages Per M2					

**“Acrylic Bond 1010” for New Reinforced Concrete**

**Surface Preparation**

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

Concrete must cured at least 28 days and have with minimum Compressive Strength of 20 N/mm<sup>2</sup>. Those cement slurry, plaster droppings, etc. must be remove, the surface of concrete free of oil, grease, and other loose particles and contaminations.

**Acrylic Bond 1010**, it’s easy to applied, there for using roller or brush on R. C. Surfacing & Steel Surfacing. Application must be made in three layer coats with, one layer coat pf **Epo Bond Primer (Refer to Coverage Chart)**

**Existing Reinforced Concrete**

**Surface Preparation**

Surface to be repaired or sealed must be clean and sound. Concrete must be free of dust, 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.

**Acrylic Bond 1010**, it’s easy to applied, therefor using spike roller or special tools on R. C. Surfacing. Application must be made in single layer coat.

**Packing & Size:**

25 kg per pack

**Coverage:**

3700gm/m<sup>2</sup> for first coats      1.00/m<sup>2</sup> per 3.70 kg

**Mixing:**

Supplied as three-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 thirty (30) minutes. Do not apply Acrylic when ambient or surface temperatures are below 50 °F

**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.

**Examples: Acrylic Bond 1010**

**Calculation Format for Floor/Wall Coating**

Products	System	Require of Thickness	Require kg/m <sup>2</sup>	Unit Rate US\$/kg	Unit Price/m <sup>2</sup>
Concrete Floor with semi smooth					
<b>Epo Bond Primer</b>	Solvent Free Primer	0.05mm	0.06		
<b>Acrylic Bond 1010 [one layer]</b>	Solvent Free Resin	2.00mm	3.70		
Total Thickness		<b>2.05mm</b>			
Cost of Material & Wages Per M2					

**Handling Precautions**

Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product safety data sheets and the brochure “Hygienic Precautions for Handling Plastic Products”



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