

Technical Data Sheet

Acrylic Modifier

Admixtures

7 Day Technical Support 1800 655 711

Testing Approvals: AS 4020: 2005 – Products for Use in Contact with Drinking Water

Description

Acrylic Modifier represents a new generation of cement modifiers, developed to improve the physical properties of cement mortars and to produce exceptional performance in cement renders. It improves the chemical, corrosion, moisture and salt water resistance of cement renders. It has been specifically formulated for use in highly alkaline cement environments. Cement mortars based on **Acrylic Modifier** will adhere to a wide range of materials such as metals, timber, insulation foams as well as new and old concrete.

Features and Benefits

- | | |
|---|--|
| <ul style="list-style-type: none"> Increases durability of concrete and mortars Waterproof Suitable for use in contact with drinking water Resists acids, alkalis, fats & oils Increases abrasion resistance | <ul style="list-style-type: none"> Increase tensile, flexural, impact & compressive strengths Can be applied in thin coats Excellent UV durability Promotes adhesion superior to PVA's & SBR's |
|---|--|

Areas of Use

- | | |
|---|--|
| <ul style="list-style-type: none"> Repairs to drinking water and waste water concrete structures Storage tanks Pipe lining Spalled concrete and crack repairs Tile bedding and grouting Repairs and resurfacing of factory floors | <ul style="list-style-type: none"> Render coatings Granolithic coatings Machine bedding Re-building stairs / steps Driveway repairs Bedding ridge and valley tiles |
|---|--|

Technical Data

Mix Ratio:	15% Modifier to cement weight	Plain O.P.C. modified with Acrylic Modifier	Before	After
Curing Time:	28 days	Tensile Strength (N/mm ²)	1.6	4.2
Colour:	Milky liquid	Flexural Strength (N/mm ²)	4.2	10.9
Thinner:	Water	Compressive Strength (N/mm ²)	16.5	39.4
Shelf Life:	12 months	Impact Strength (inch/pound)	6.0	16.0
		Shear Bond (N/mm ²)	0.3	4.5

Application Guide

Surface Preparation

- Substrate should be primed with a 1:1 mixture of **Acrylic Modifier** and water
- Brush on at the approximate rate of 6-12m²/L
- Allow to become tacky then apply topping
- For porous surfaces prime with a slurry coat (refer Specifications for mix recommendation)

Application Procedure and Equipment

- Apply concrete and mortars as per normal practice.

Technical Data Sheet

Acrylic Modifier

Admixtures

7 Day Technical Support 1800 655 711

Specifications	
Slurry Coating <ul style="list-style-type: none"> Portland Cement: 2Kg Fine Sand: 1Kg Acrylic Modifier: 2L Mix approximately: 3L Coverage: 15m² (approx.) 	Waterproof Render of Mortar (min. 10mm thickness) <ul style="list-style-type: none"> Dry clean (clay free) sand: 120Kg Portland cement: 40Kg Acrylic Modifier: 30L Water: Min. required Approximate volume of mix: 93L Coverage: 9.3m²@10mm
Concrete Repair, Cement Render, Tile Grouting, Tile Bedding <ul style="list-style-type: none"> Sand: 40Kg Portland Cement: 20Kg Acrylic Modifier: 8L Water: Min. required Approximate volume of mix: 30L Coverage: 3m² @10mm 5m² @ 6mm 	Light Duty Granolithic Topping <ul style="list-style-type: none"> Flooring sand: 40Kg Portland cement: 20Kg Acrylic Modifier: 9.6Kg Water: Min. required Approximate volume of mix: 32L Coverage: 5.3m²@ 6mm 3.2m² @ 10mm
Underlayment Levelling Screed <ul style="list-style-type: none"> Flooring sand: 120Kg Portland cement: 40Kg Acrylic Modifier: 24L Water: Min. required Approximate volume of mix: 85L Coverage: 14m²@ 6mm 8.5m²@10mm 	Heavy Duty Granolithic Topping <ul style="list-style-type: none"> Granite chips (3mm): 30Kg Flooring sand: 30Kg Portland cement: 20Kg Acrylic Modifier: 9.6L Water: Min. required Approximate volume of mix: 40L Coverage: 6.4m²@ 6mm 3.2m²@12mm
Precautions	
N/A	
Cleaning	
<ul style="list-style-type: none"> Equipment to be cleaned in water immediately after use. 	
Health and Safety	
Safety Precautions <ul style="list-style-type: none"> If product is splashed on skin it should be washed off with water before it dries. Wear gloves and eye protection during application. First Aid <p>Swallowed: Contact a doctor or Poisons Information Centre. Do not induce vomiting. Give water to drink.</p> <p>Eye: Gently flush with running water, holding eyelids open for 15 minutes. Seek medical attention.</p> <p>For detailed information refer to Material Safety Data Sheet available from Crommelin®. In the case of an emergency please call the Poisons Information Centre on 13 11 26</p>	

Technical Data Sheet

Acrylic Modifier

Admixtures

7 Day Technical Support 1800 655 711

Transport and Storage

Sizes:	1L, 4L, 15L	Flash Point:	N/A
Weights:	1.1Kg, 4.5Kg, 16.5Kg	UN Number:	N/A
Dangerous Goods Class:	N/A		

Disclaimer

Crommelin® and other marks followed by ® are registered trademarks. Marks followed by the symbol of ™ are trademarks. Any advice, recommendation, information, assistance or service provided by Crommelin® in relation to its products or their use is given in good faith, however is provided without responsibility or liability. Customers are advised to undertake their own assessment to determine suitability of a product for the particular use intended. Due to the performance of any product being subject to a wide variety of field and surface conditions we are unable to assume liability for any loss, consequential or otherwise that may arise from the use of our products. Where a product is proven defective, our liability is limited to the replacement of the product.

Waterproofing & Sealing

72 Division Street Welshpool Western Australia 6106 T + 61 8 9458 5711 F + 61 8 9451 4749
service@crommelin.com.au www.crommelin.com.au Barry Crommelin Nominees PTY LTD ABN 97 180 557 927