

PRODAFIX 878

High Performance Polymer Additive

DESCRIPTION

PRODAFIX 878 is a polymer additive which has been formulated to enhance the mechanical properties of cement-based mortars, concretes, and screeds. The product is added into the mix to produce a powerful adhesive to bond the aggregate together resulting in a more durable waterproof and impact resistant mortar.

USES

PRODAFIX 878 is used as an additive to enhance the properties of wearing floor screeds, floor repair mortars, waterproof renders, waterproof concrete and as a bonding agent.

ADVANTAGES

- Solvent free and low odour.
- Improves adhesion.
- Improves compressive strength.
- Excellent adhesion to steel and concrete.
- Proven performance in excess of 25 years.

Property	Value
Colour	Milky White
Solids Content	48%

PROCEDURE

Surface Preparation: Correct surface preparation is paramount for the success of the applied coating. Concrete and masonry surfaces should be sound clean and free from dust, surface laitance, grease, hydrocarbons, and other deleterious materials. It is important to prepare the surface by mechanical means such as, vacuum grip blasting and diamond grinding to ensure the complete removal of any contaminants and to provide an adequate key for the coating. The moisture of new concrete substrates should be less than 97% R.H. Imperfections in the substrate should be repaired using a suitable PREMCRETE REPAIR PRODUCT. Steel surfaces should be grit blasted to a nominal SA 2.5 Swedish standard. Steel substrates should be primed immediately once preparation has finished to obviate flash rusting.

Priming: PRODAFIX 878 should be mixed at a ratio of 1 to 1 with cement, the resulting slurry should be brush applied to a pre-dampened substrate and allowed to tackify before subsequent overcoating.

Mixing: The correct mix design should be ascertained depending on the application. PRODAFIX 878 is added to the gaging water at the correct dosage, the mortar screed or concrete should then be mixed in the conventional method.

Application: The mixed mortar is applied to the primed substrate whilst the primer is still tacky. It is important to get a good initial contact coat with the substrate before building up to the correct thickness, taking special care to ensure that the mortar is well compacted before finishing with a steel float.

Equipment Cleaning: Tools and equipment should be cleaned with water.

Curing: PRODAFIX 878 modified mortars, screeds and concretes will have cured sufficiently after 7 days to be put back into most kinds of service (depending on the mix design used).

PACKAGING & COVERAGE

Pack Size: 5ltr and 25ltr drums.

Coverage: Depends upon mix design.

STORAGE & SHELF LIFE

PRODAFIX 878 should be stored in clean dry conditions at temperatures between 10°C and 30°C. When stored in unopened containers the product will have a shelf life of 12 months.

HEALTH & SAFETY

See separate material safety datasheet.

MIX DESIGN 1

Floor screeding and screed repair (min. 6mm)

By Weight	By Volume
50kg cement	1 pbv
150kg medium sand	1.25 pbv
10 litres Prodafix 878	{1:1 Prodafix 878:Water
9 litres water*	{add to consistency
Yield approx 0.1m ³	

MIX DESIGN 2

Heavy Duty Floor Toppings (min.12mm)

By Weight	By Volume
50kg cement	1 pbv
75kg medium sand	1.25 pbv
75kg 6 - 3mm grano chips	1.25 pbv
10 litres Prodafix 878	{1:1 Prodafix 878:Water
9 litres water*	{add to consistency
Yield approx 0.1m ³	

MIX DESIGN 3

Waterproof Renders (min. 6mm)

By Weight	By Volume
50kg cement	1 pbv
125kg medium sand	2 pbv
10 litres Prodafix 878	{1:1 Prodafix 878:Water
9 litres water*	{add to consistency
Yield approx 0.1 m ³	

MIX DESIGN 4

Water Resistant Concrete (min. 25mm)

By Weight	By Volume
50kg cement	1 pbv
100kg medium sand	1.5 pbv
100kg 10 - 5mm pea shingle	1.5 pbv
5 litres Prodafix 878	{1:3 Prodafix 878:Water
9 litres water*	{add to consistency
Yield approx 0.14m ³	

MIX DESIGN 5

Bonding screeds, Plaster, New Concrete to Old

By Weight	By Volume
1kg cement	1 pbv
1ltr Prodafix 878	1 pbv
Yield 3-4m ² per litre	

1. *=add to working consistency
2. All sands must be medium grade sharp
3. Aggregates must be clean, well graded and not "to dust"

MIX DESIGN 6

Floating Screed (min. 38mm)

By Weight	By Volume
50kg cement	1 pbv
150kg medium sand	2.5 pbv
5 litres Prodafix 878	{1:3 Prodafix 878:Water
9 litres water*	{add to consistency
Yield approx 0.1m ³	

MIX DESIGN 7

Floor Screeding and Screed Repair (min. 26mm)

By Weight	By Volume
50kg cement	1 pbv
150kg medium sand	2.5 pbv
10 litres Prodafix 878	{1:3 Prodafix 878:Water
9 litres water*	{add to consistency
Yield approx 0.1m ³	