

# Swiftplast

## ***Product Description:***

Swiftplast External Plaster is a high quality premixed plaster for plastering on brickworks, and concrete surfaces. It is a cement-based and water-resistant which can be used in exterior conditions. It is specially formulated for the replacement of conventional site-mixed cement/sand plaster as well as gypsum plaster. Swiftplast External plaster can also be used for patching concrete as well as a masonry joint mortar for bed thickness of 4 -10 mm. Swiftplast External plaster should not be used on painted surfaces.

## ***Performance Features & Benefits:***

- Formulated to comply with European Standard, British Standard and US Standard
- Single Component with fixed mixing proportion to ensure the quality of work
- Shrinkage compensated to reduce the shrinkage cracks
- Suitable for tiling with receiving Swiftplast TILE FIX AND TILE GROUT series products
- After polishing, suitable for painting with receiving Swiftplast SKIM COAT series products
- Compatible to cementations waterproofing materials Swiftplast WP SLURRY

## ***Complied Standards:***

European Standard: EN 1015 – 10, 11, 12: 1999

British Standard: BS 5262, BS 5492, BS 5385, And BS 5838: Part 2, 3

## ***Substrate Preparation:***

- Ensure the Plaster surfaces of bricks should be cured with water before one day of plastering and masonry joint should be properly filled and racked. Remove traces of foreign materials that may affect adhesion.
- Ensure that a Chicken mesh is provided at the junction of concrete surfaces and bricks walls.
- On concrete surfaces, it is recommended that cement slurry should be used before plastering for better adhesion.

## Technical Data and Physical Properties:

<b>Colour</b>	Grey
<b>Binder</b>	Ordinary Portland Cement
<b>Filler</b>	Graded sand (BS 1199)
<b>Max. aggregate size</b>	4.0 mm
<b>Additives</b>	Water soluble additives to improve workability, water retention, durability and adhesion strength.
<b>Water demand</b>	For hand application: Approx. 13-15% or 7-8 L/50 kg bag
<b>Density</b>	1.8 kg/L (dry) 1.9 kg/L (wet) for 13% water demand
<b>Pot life</b>	Approx. 1 hour
<b>Thickness</b>	15 - 25 mm for 1st coat, 25 – 40 mm for 2 nd coat
<b>Coverage</b>	Approx. 1.66 kg/m <sup>2</sup> /mm
<b>Theoretical consumption</b>	Approx. 25.0 kg/m <sup>2</sup> for thickness of 15mm Approx. 2.00 m <sup>2</sup> /50 kg bag for thickness of 15 mm
<b>Adhesion to concrete</b>	>0.75 N/mm <sup>2</sup> (1.0 N/mm <sup>2</sup> )
<b>Compressive Strength</b>	12.5 N/mm <sup>2</sup>
<b>Chloride content</b>	<0.01%
<b>Shrinkage</b>	Nil

Unless specified, all technical data are average values and refer to 28 days curing time.

## Mixing & Installation:

- Prepare Swiftplast External Plaster is relatively simple. It is important that you always start by adding the Mix to the water and not the other way around. Pour about 8 liters of clean and fresh (clean enough to drink) water to make a single bucket to Swiftplast External Plaster in the bucket. The bucket should be large enough to accommodate the full final mix bag and allow space for the mixing.

- And half of the bag of your Swiftplast External plaster in the first instant and immediately plunge in your mixer and start mixing. If you delay you will get lumps that you will struggle to mix out. Use the Mixer on a very slow speed (to prevent the mix splashing all over the area) and swirl in both clockwise and anticlockwise directions raising the paddle up and down as you go and be sure to get into every edge corner of the bucket.
- And the balance 50% of the Mix quickly and again plunge in the mixer and start mixing until you have worked out all of the major lumps. Ensure this time to get into every corner of the bucket to dredge out any dry mix and ensure a smooth lump free mix. Allow the Mix to rest for 10 minutes. This will allow the additives to activate.
- The Swiftplast External Plaster is ready for use when it is smooth, creamy; lump free and capable of sitting on the flat trowel without running off (Dip some of the finished mortar out with a hand trowel. Turn the trowel upside down. If the mortar clings to the metal trowel blade, the mixture is just right)

### ***Curing:***

Natural air curing for Swiftplast External Plaster is enough during winter and rainy season. If the temperature is above 20 ° C then the finished surface should be kept moist for a minimum of 2 days by regularly mist spraying with water. Allow surface to dry out for 24 hours after the two-day moist cure. However curing time will vary due to ambient temperature, relative humidity, surface temperature, surface porosity, application methods and/or thickness of the material. All freshly applied material must be protected from inclement weather for a minimum of 24 hours after application. It is the responsibility of the plaster applicator to determine if the product is cured/dry prior to applying any additional coats that may be required or exposing the applied product to rain, snow, dew and/or any other inclement weather condition that may have a detrimental effect. Although the Swiftplast products contain cement it will not fully cure for 28 days. Any other coats or skim coats are to be applied over the surface after 2 – 3 days then ensure to thoroughly hose down with fresh water for 12 hours prior to application.

### ***Limitations:***

- Do not exceed the thickness of plaster greater than shown in this method statement.
- Do not mix by hand.
- Do not part mix, use only full bags.
- Do not apply the product when the ambient or surface temperature is below 4 ° C or above 20 ° C or will be in that range for the 24 hour period after application. When hot, dry or windy conditions exist, moist curing and protection must be provided. Material that is allowed to freeze or materials that dry too quickly may suffer irreparable damage.
- Do not add any other materials to this product or deviate from the mixing or application procedures outlined in any Swiftplast products technical data sheets without approval from AWC.

- Do not apply plaster unless the substrate has been properly cleaned and prepared. See surface preparation.
- Do not add any more water than prescribed by the technical data sheet for this product
- Do not apply this material if the wall prior to the application is not cured with water
- Do not reactivate the product with more water once it has begun to set.
- Do not mix more plaster than you can use in 45 minutes.

**Note: Failure to follow the manufacturer’s written specifications could result in the following but not limited to scaling, cracking, peeling, chipping, deterioration, discoloration, wash off and the overall system failure.**

### ***Storage and Packing:***

Swiftplast External plaster is delivered in 40 kg bags. Storage life is 2 months if the product is kept in a dry place.

### **HEALTH AND SAFETY**

- Material contains cement, which may produce an allergic effect.
- Keep out of reach of children.
- Material may cause irritation to eyes and skin.
- Avoid contact with eyes and prolonged contact with skin.
- Wash-up thoroughly after handling all wet or dry Swiftplast materials.
- In case of contact with eyes splash immediately with running water for at least 15 minutes. Consult a physician.
- Do not intake this product internally.
- The potential irritant nature of the Swiftplast dust (in dry powder form or subsequently cutting of the hardened material) is recognized.
- Paper dust masks or a respirator of NIOSH approved or an equivalent particulate face mask must be worn at all times when the product is being mixed.
- Be sure to provide adequate ventilation while working in enclosed areas. The wet compound is alkaline and prolonged skin contact should be avoided.
- People with sensitive skin must wear rubber gloves when handling the product

### ***Warranties:***

The recommendations, suggestions, statements and technical data provided by the company on the current data sheet are based on the best current knowledge available and are given for information purposes only without any responsibility for their use. The company supplies products that comply with the properties shown on the current datasheets. In the unlikely event the products supplied are proved not to comply with these properties, and then the company will replace the complaint product. The company does not warrant or guarantee the installation of the products, as it does not have control over the installation or end use of the products. Any suspected defects must be reported to the company in writing within five working days of being detected. The company makes no warranty as to the merchantability or fitness for a particular

purpose and this warranty is in lieu of all other warranties express or implied. It is expressly understood and agreed that the buyer's sole and exclusive remedy shall be replacement of defective products and under no circumstances shall the company be liable for incidental or consequential damages. The company shall not be liable for damages or any sort including remote or consequential damages, down time or delay loss of profit, the cost of removing and reinstalling material and any other liability the purchaser may have with respect to any other person.

### ***Disclaimer:***

The above expressed Warranty for the product shall be exclusive Warranty and company makes no other Warranties express or implied. The company expressly disclaims any implied Warranties of merchantability and/or implied Warranties of fitness for a particular purpose. The company has not authorized any person to make or give any other warranties or representation oral or written on its behalf.

### **Note:**

- Because it is not possible to give specific instructions for various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only and we reserve the right to modify the information detailed in this Technical Data Sheet.
- Coverage given for all products is approximate and is given for general guidance. It is assumed that all standard Civil Engineering Practices shall be adopted for application of the plaster.

## **AWC [Architectural Waterproofing Corporation]**

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### **Factory Address:**

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#### **UNIT 2: RESINS & SOLVENTS:**

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*Our products are guaranteed to meet established quality control standards. Information contained in our technical data is based on laboratory and field testing, but is subject to change without prior notice. No guarantees of accuracy are given or implied, nor does AWC assume any responsibility for coverage, performance or injuries resulting from storage, handling or use of our products. Liability, if any, is limited to product replacement or, if applicable, to the terms stated within the executed project warranty.*