

# ISO RUSH-COAT 700

## Product Data Sheet (TDS)

### DESCRIPTION

ISO RUSH-COAT 700 is a ready to use, cement based, key coat with special polymers. Basically used for preparing cement based surfaces before rendering. ISO RUSH-COAT 700 improves the adhesion of the new plaster, cement & gypsum based. It is applied on internal or external walls and ceilings, fair faced concrete, masonry blocks, old cement based plaster, and all other common substrates. ISO RUSH-COAT 700 can be applied traditionally by hand, tyrolean splatter box or a power spray gun.

### USES

ISO RUSH-COAT 700 acts as a bonding agent between plaster and smooth substrates and provides a mechanical key for subsequent layers of plaster and renders.

### ADVANTAGES

- Good adhesion on substrate and plaster.
- Ready to use.
- Premixed, easy to use, requires only the addition of water.
- Strong and durable.



### PRODUCT & TECHNICAL DATA

Composition	Cement, aggregates, special polymers and additives
Consistency	Powder
Color	Gray
Maximum size of aggregate	Dmax= 3 mm
Bulk density	1.84 g/cm <sup>3</sup>
Mix density	2.16 g/cm <sup>3</sup>
Mixing ratio	5.5 L of water per 25 kg bag
Pot life	≤ 1 Hour
Compressive strength (EN 12390)	≥ 25 N/mm <sup>2</sup> at 28 days
Bond strength (EN 1015)	≥ 2 N/mm <sup>2</sup> at 28 days
Resistance to fire as per BS (EN 998 -1)	Class A1.
Application Temperature Rang	(+5 °C) – (+35 °C)
Substrate temperature	(+5 °C) – (+35 °C)

### COVERAGE

ISO PLASTER-F 740 consumption depending on the application method and the substrate finish. As a guide: 4 kg / m<sup>2</sup>. It is recommended to carry-out trials on site to determine the actual consumption.

## APPLICATION PROCEDURE

### Surface preparation

The surface must be sound and free of loose or friable particles and all contaminants and material traces that may affect the bond between ISO RUSH-COAT 700 and substrate such as oil, paint, curing compounds, or dirt. Delaminated, weak, damaged, and deteriorated concrete shall be removed by suitable means. Any repairs of the substrate materials of ISOBIT REPAIR range should be used and applied at least 24 hours before. The substrate must be soaked with clean water before the application of ISO RUSH-COAT 700.

### Mixing

Pour 5.5 liters of portable water in a clean container and then add 1 bag (25 kg) ISO RUSH-COAT 700. Slow speed mechanical mixer or electric stirrer is recommended for better results. Slowly add ISO RUSH-COAT 700 powder to the water and mix continuously for about 3-4 minutes until a homogeneous lump-free consistency is achieved. For specific cases, when an enhanced adhesion is required, 2 – 3 kg of ISO BOND S.B.R 1030 or 1 kg of ISO BOND PLUS 1036 can be added to the mixing water.

### Application

Apply ISO RUSH-COAT 700 onto the prepared substrate by hand, tyrolean splatter box, or a power spray gun. Apply on the entire prepared area and allow time for the material to stiffen. Ensure that the applied material covers the entire surface area.

## Recommendations

- Cure only with potable water, do not use other curing compounds.
- Don't mix by hand.
- Avoid application in direct sun and/or strong wind.
- When the ambient temperature is high during summer months, mix with cold water to ensure that the mixed material is not above ~30 °C.
- Don't apply in rain or wet conditions or at temperatures below 5 °C.
- Don't expose it to running water until the product is cured fully.

## CURING

Protect the newly applied ISO RUSH-COAT 700 from sunshine and wind and has to be cured with water for at least three days by spraying 3 to 4 times daily.

## CLEANING

Clean all the tools with water immediately after use. Hardened materials can be removed mechanically only.

## PACKING

ISO RUSH-COAT 700 is supplied in paper bags of 25 kg.

## SHELF LIFE

Shelf life is up to 12 months from production date when stored as per recommendations.

## STORAGE

Product must be stored in original unopened packaging, under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air-conditioned environment.

## HEALTH AND SAFETY

As with all construction chemical products, caution should always be exercised. Wear gloves, coveralls and goggles during handling. ISO RUSH-COAT 700 may irritate the skin or eyes due to it contains cement. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary. Treat any splashes to the skin with fresh water. If the product is swallowed accidentally, do not induce vomiting, but call for medical assistance immediately.

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