



EWI Install Guide

# Dry Aggregate Dash System

**EWIPRO**<sup>®</sup>  
External wall insulation system

**DASH  
RECEIVER**

**EWI-235**



- ❖ Polymer modified
- ❖ Through-coloured
- ❖ Suitable for one coat application
- ❖ Suitable for spray application

25 kg

Dry Dashing is an attractive traditional render technique which is used to provide a low-maintenance and impact-resistant finish. Dry aggregate dash systems are cost-effective and provide a robust finish. A large selection of Dash Receiver/aggregate colour combinations are available.

## STEP 1 Surface Preparation

Before applying any render to the substrate, the substrate needs to be checked. All damage to the substrate from frost attack, salt or corrosion must be repaired. Damaged bricks or blocks must be replaced and any holes or insufficiently-filled joints repaired. One of the best ways to achieve a clean and ready surface is to use a high-pressure water jet or prepare the wall mechanically with a wire brush.

It is recommended that one coat of EWI-360 Fungicidal Wash is applied to the entire surface, by roller or knapsack spray, and allowed to dry. All organic growth must be removed by a stiff bristle brush. The Fungicidal Wash takes just 24 hours to kill all organic growth on the substrate. The wash can be applied using either a brush, sponge or cloth. A 5L tub will cover 20-30m<sup>2</sup>, depending upon the absorptivity of the substrate.

### Using Premium Adhesive EWI-225

If the existing surface is particularly uneven, then a coat of EWI-225 Premium Adhesive should be applied to the affected area or the whole of the existing surface to level it. EWI-66640 Fibreglass Mesh should be embedded into this adhesive for extra strength, and the strips should overlap by 10cm. Each roll of Fibreglass Mesh is 50m long by 1m wide. When installing a Premium Adhesive layer, your beading should also be embedded within the Adhesive. The Premium Adhesive must be allowed to dry for a minimum of 24 hours before the application of the Dash Receiver.



## STEP 2 Surface Priming

Once the substrate has been prepared, it will need to be primed before the Dry Dash can be applied. The amount and type of primer required will depend upon the absorptivity of the substrate - this can typically be anywhere from 50-300ml per m<sup>2</sup>. For rendering directly onto the wall, we recommend using the EWI-301 Water Based Primer before rendering. It will usually take approximately 4 hours to dry, however additional coats may be required depending upon the absorptivity of the substrate. Water Based Primer must be Left to dry completely before applying the Dash Receiver.

## STEP 3 Applying Beading

Beading is used in our EWI Pro Dry Dash Aggregate system to reinforce areas that are likely to experience impacts (e.g. external corners) and also to try to direct water from the surface of the render by providing a drip. All of our beading is uPVC and therefore will not rust.



Movement Beads



Bellcast Beads



Stop Beads



Corner Beads

**CORNER BEADS** – Corner Bead should be used on every external corner to help reinforce this area. The corner bead also helps achieve a consistent 90° angle at the corner.

**STOP BEADS** – Stop Beads are used to achieve a defined termination point where the render comes to an end, for example between mid-terrace properties.

**BELLCAST BEADS** – Bellcast Beads are used to provide a drip at either the bottom of the render system or above openings to help mechanically drive water away from the surface of the render system.

**MOVEMENT BEADS** – Movement Beads are installed within the render coating directly above expansion joints within the masonry to achieve a neat and consistent enclosing detail. They can also be used where there is a particularly long run of render to try and help reduce the risk of cracking (typically every 7 linear metres of render a movement bead should be installed).

All of our beads are available in white and ivory as standard.

## STEP 4

### Mixing the EWI-235 Dash Receiver

The render should be added to clean water at a ratio of approximately 5.5L of water to 25kg of EWI-235 Dash Receiver. Each 25kg bag of EWI-235 Dash Receiver when applied correctly at a thickness of 8-10mm will cover 2m<sup>2</sup>. EWI-235 Dash Receiver should be thoroughly mixed using a traditional mixer or in a tub with a mechanical paddle for a minimum of 5 minutes until the correct consistency is achieved. Do not over-mix or over-trowel as this may reduce its adhesive capabilities. Apply the Dash Receiver by hand trowel or spray machine. It will remain workable for approximately 1.5 hours after mixing and must not be re-mixed after it begins to set.

## STEP 5

### Applying EWI-235 Dash Receiver to the wall

The Dash Receiver system should be applied at a thickness of 8-10mm, starting at the top of the wall working downwards to prevent dripping and staining. Once applied, the Dash Receiver will then be ready to receive the dash aggregates. The EWI-235 Dash Receiver will reach optimal strength after 28 days. This is because the rate at which it dries is dependent upon the environment and the humidity.

## STEP 6

### Applying Dash Aggregates onto EWI-235 Dash Receiver

Make sure the dash aggregates are clean. Hold the bucket or tray of dash aggregates below the wall and scoop up some aggregates with a scoop or trowel. Throw the aggregates at the wall. Some will stick to the Dash Receiver whilst others will fall. Continue to throw the dash aggregates at the wall until you get an even coverage from top to bottom. Lightly press the dash aggregates into the wall with the flat edge of the trowel and leave to dry for 24 hours.