



Powered by



# VDW 815

## Xtreme Ceramic Grouting Binder

VDW 815 is designed for small to large format ceramic pavers. The following are a few specific details about the product:

- Water-permeable
- Can be applied in rain and low temperatures
- Self-compacting
- Highly frost and de-icing salt resistant
- Durable and abrasion resistant
- 3/16<sup>th</sup> joint width or larger

### Available Colors

We currently have 3 colors that you can choose for VDW 815:



Neutral



Grey



Basalt

### Technical Data

#### Application Time

Approx. 1 hr at 20°C | 68°F application temp.

#### Application Temperature

2-26°C | 37-80°F (Do not lay onto frozen ground.)

#### Compressive Strength

Approx. 15,0 N/mm<sup>2</sup> / 2175 psi

#### Flexural Strength

Approx. 6,0 N/mm<sup>2</sup> / 870 psi

#### E-Modulus

5,500 N/mm<sup>2</sup>

#### Dry Densit

Set mortar density: 1,62 g/cm<sup>3</sup>

#### Water Permeability

106.2 iph approx. 0.06 gal/min/sq. ft. for a joint fraction of 10%

#### Storage Life

1 year if stored unopened in sealed and undamaged packaging. Must also be kept dry and frost-free. Do not store at temperatures above 20°C / 68°F



Bringing you quality joint solutions using innovative products, backed by old fashioned service.

**P:** (717) 351 - 4021

**W:** <https://www.shsdistributors.com/>

**E:** [contact@shsdistributors.com](mailto:contact@shsdistributors.com)

# Assembly Instructions

## for VDW 815

### 1. Construction Site Requirements

A stable, load-bearing structure, a water-permeable sub-base and the paving layer must all be correctly designed and installed for the anticipated traffic loads and in accordance with AMTS. VDW 815 Grouting Binder is designed for small up to large format and cannot be used to compensate any settlement of the substructure, or for the sealing and waterproofing of any surfaces. Movement joints must be installed as necessary to comply with the required structural design and any anticipated levels of movement. The VDW 815 Grouting Binder can be applied on damp / wet paving and in high humidity and even in the rain.

### 2. Preparation

Preparation / Pre-wetting: Clean the surface thoroughly of all dirt, cement residues, organic materials or any other possible contaminants including cleaning out all of the joints to the required depth. Thoroughly pre-wet the surface of the paving and mask adjacent surfaces which are not to be jointed. Always use clean and fresh tap water!

### 3. Mixing

Pre-mix the VDW 815 Grouting Binder resin-coated aggregate (component A) materials in the pail. Then add all of the liquid hardener (component B) from the bottle in the pail and mix with the drill and spherical paddle mixers until smooth and homogeneous. Mixing time: 3 – 5 minutes. Any material that is not thoroughly mixed must not be used. No water should be added during the mixing process.

### 4. Filling the Joints

Apply immediately after mixing, by pouring the VDW 815 Grouting Binder directly onto the pre-wetted surface. Work the self-compacting material thoroughly into the joints using a rubber squeegee. If the viscosity of the product diminishes re-moisten by spraying lightly with water from a hose. The paved area must be kept constantly wet during application. We recommend working from the highest to the lowest points. Do not mix part units of the product. Any unmixed material must not be used.

### 5. Brushing Off

Remove any excess VDW 815 Grouting Binder residue from the area after about 5 min. (immediately at temperatures over 20 °C / 68 °F) using a damp coconut fiber brush and then spraying lightly with water from a hose at a distance of about 25 cm. Avoid washing material out of the joints. Be careful to clean the paved surface towards areas not yet jointed and do not allow any water containing residues to pond, stand, dry out or run-off over completed areas. Finally remove any remaining fine residues, again with a lightly spray of water and damp coconut fiber brush – do not brush any residual dry material into any unfilled joints. Clean this brush in water frequently.

### 6. Important Information

Remain off the freshly applied areas for a period of min. 24 hours, or until the paving surface is no longer tacky. Then the areas can be walked over. The area can be fully released to vehicular traffic after 3 – 5 days, when fully hardened. In general, a strength test should be carried out before final clearance of the area. A very thin film of the resin binder will remain on rough surfaces or any surfaces that are not cleaned thoroughly. This film will disappear after a period of exposure to traffic and weathering.