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# VDW 495

## Extreme Adhesion Elutriant

The VDW 495 Extreme Adhesion Elutriant from GFTK is an excellent bonding compound that secures porcelain, slabs, and pavers to the trass bedding layer.

- For light to heavy traffic loads
- Extremely durable
- Can be applied to ground temperatures of  $>41^{\circ}\text{F}$



## Technical Data

### Application Time

Approx. 1 hr at  $20^{\circ}\text{C}$  |  $68^{\circ}\text{F}$  application temp.

### Application Temperature

$5-25^{\circ}\text{C}$  |  $41-77^{\circ}\text{F}$  (Do not lay onto frozen ground.)

### Material Consumption

25 kg | 55.1 lbs = 19 litres | 86 gal of fresh mortar approx. 1,3 kg | 2.86 lbs per mm layer thickness/m<sup>2</sup>  
 For layer thickness 3–5 mm = 3,9–6,5 kg/m<sup>2</sup> = Ø 5 kg/m<sup>2</sup> 5.1 lbs = 5 gal of fresh mortar approx. 2.86 lbs per 1/16" layer thickness/sqm  
 For layer thickness 1/8" – 3/16" = 0.80–1.33 lb/sqft = Ø 1.02 lb/sqft

### Water Addition Approximation

8 litres | 2.1 gal of water per 25 kg | 55 lbs. bag/ mortar mixture!

### Dry Density

1,5 kg/dm<sup>3</sup> | 0,87 oz/in<sup>3</sup>

### Low Chromate

Yes

### Storage Life

12 months, dry and in original sealed container



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# Assembly Instructions

## for VDW 495 Extreme Adhesion Elutriant

### 1. Construction Site Requirements

The foundation needs to be prepared according to the expected traffic loads. Regulations and leaflets regarding construction of paved stone surfaces should be heeded. Future loads must not cause the surface to settle or loosen stones. Ideally, you would use VDW 480 Trass bedding products as well as the GFTK SYSTEM-Warranty.

For optimum application it is recommended using PHNA/GFTK application tools.

### 2. Preparation

In order to ensure optimum adhesion between the connecting element and adhesion elutriant, it should be ensured that the connecting element is thoroughly cleaned to remove dust and sawing residue, before applying adhesion elutriant. Loose particles and other dirt must be removed.

### 3. Mixing

To achieve a consistency that is plastic and can be spread, pour 8 litres | 2.1 gal of cool, clean water into a container. Then add 25 kg | 55.1 lbs of VDW 495 ADHESION ELUTRIANT and stir for 3 minutes. After 3 minutes of maturing time stir through again briefly. Depending on reason for use, adjust consistency by adding more water. Always use up the entire container!

### 4. Application

**First Variation:** When laying slabs, VDW 495 - ADHESION ELUTRIANT is applied to the slightly moist slab under side with a layer thickness of approx. 3–5 mm | 1/8" – 1/4" using a broad brush/notched trowel and then hammered into the freshly laid drainage mortar. When using VDW 495 - ADHESION ELUTRIANT, care should be taken that the product on the underside of the stone/slab does not squeeze out, as this will seal the joint in this area. To avoid this, scrape off the adhesion elutriant approx. 5 cm from the edge of the stone/slab, i.e. using a trowel.

**Second Variation:** Dip the slab or cobble stone 2–3 cm | 3/4" – 1 1/4" deep into a tub of - VDW 495 ADHESION ELUTRIANT then immediately hammer into the freshly laid drainage mortar.

### 5. Important Instruction

- Bonded paved stone and slab coverings may have cracks appear as a result of weather
- Influence temperature swings and traffic loads.
- Base courses/bed that have no drainage capacity may get damaged when moisture penetrates.
- Sawed stones should be roughened on the underside and stone edges before using with!VDW 495 EXTREME ADHESION ELUTRIANT.
- Paved stone work is done by hand, not using a vibratory plate or similar compacting machinery.
- Expansion joints should be laid according to relevant guidelines
- On impermeable surfaces, measures need to be taken to drain seeping water.

Standing water on the impermeable layer needs to be diverted using filter layers and slope.