

## T-POL 5500 STONE UV

TWO COMPONENT, SOLVENT FREE, EPOLYURETHANE BASED COLORED STONE MATERIAL

### Description of Product

T-POL 5500 is a polyurethane based, two component, low viscosity, solvent free, polymer reinforced, specially formulated binder resin for pebble granule aggregate stones.

### Fields of Application

- Car Parking areas / Walkways
- Park Bicycle paths / Public parks
- Office buildings / Landscape plans
- Schools / Tree pits
- Garden design / Swimming pool area
- AI Disabled access ramps
- Roof terraces and balconies
- And can be easily used in similar areas.

### Advantages

- 3 times faster application than alternative surface materials
- Suitable for underfloor heating floors
- Possibility to create infinite colors, patterns, curves and emblems
- Allows you to create a stable surface
- Long lasting smooth surface
- Natural looking and landscape compatible
- Does not hold water on the surface, instantly transmits water to the substrate
- Not affected by hot and cold, no moss
- UV resistant (Yellowing and no color change)
- Eliminates the risk of accumulation of water and gravel
- Quick and easy installation
- Maximum carrying power
- Low maintenance cost

### Appearance

Part (Polyurethane Resin): Liquid – Transparant

### Method of Application

Surface preparation;

The surface should be cleaned using pressurized water, if possible; oil, grease, fuel and paraffin wastes must be removed, it should also completely purge the mold release agents, cement residues and chips. Surface disorders and cracks should be filled with appropriate products and repaired.

### Primer:

As a primer (porous and nonporous) regardless of surface condition (T-POX2000 PRIMER ) should be used.

### Binder Resin application:

Pebble granules which are the first stage of application of the primer layer after drying, maximum 4% polymer-based, one-component stone-bonding polymer resin for about 10 minutes. mix with a mixer or mixer mixer. If 4% resin surplus is used, the gaps between the pebble granules are it loses its permeable property and does not transmit water to the substrate.

### Application of floor covering construction:

**For pedestrian paths:** to obtain 10 mm thickness from stone granules of 2-4 mm or 4-7 mm thickness a maximum of 0.600 Kg of polymer based stone binder with an average of 15 kg of pebble stone per square meter resin should be used.

**For vehicle roads:** to obtain 15 mm thickness from stone granules of 2-4 mm or 4-7 mm thickness Maximum of 0,900 Kg of polymer based stone binder with 22 kg of pebble stone per square meter resin should be used.

(Stone granule sizes can be used in desired dimensions)

Vibrate machine or trowel with asphalt poured by compressing the mixture is laid on the floor.

**Consumption;**

100 Kg pebbles + 5-6 Kg (maximum) T-POL 5500 STONART UV RESIN 2K

**for pedestrain paht:**

for 10mm (0,800-0,900kg+15kg agregate)

**for vehivle road:**

for 15mm (1,200-1,350kg+22kg agregate)

**Packaging**

Part A: 15 kg. net – Part B:15 kg. net

Total: Part A+B: 30 kg. net – Part A+B: 32,55 kg. gross

**Storage**

Store in original sealed containers in a cool dry environment at temperatures between +5°C and +30°C. Do not put excessive loads on top of the products, which would damage the packaging.

**Shelf Life**

Minimum 12 months from date of production if stored in original unopened containers. Once opened, product should be consumed within one week as it is stored under appropriate storage conditions.

**Chemical Structure**

Polyurethane based

**Technical Specifications**

All technical values were calculated based on +23°C and 50% relative humidity. Temperature and humidity changes would change technical values.

**T-POL 5500 Technical Data**

Density	1.20-1,30 kg/liter (± %3)
Appearance	Transparent crystallized
Shore D Hardness	7 days: 80-90 (ASTM D2240-05)
Compressive Strength	28 days: > 105 N/mm <sup>2</sup> (ASTM D695-10)
Flexural Strength	7 days: > 40 N/mm <sup>2</sup> (ASTM D790)
Bond Strength	7 days : > 3 N/mm <sup>2</sup> (Concrete) (ASTM D7234)
Abrasion Strength	7 days: 40 mg (± %3) (CS 10/1000/1000) (ASTM D4060-14)
Componenet	1/1
Consumption	5-6kg +100kg agregate
Duration of Use After Mixing	40-60 minutes
Total Curing time	7 days
Hydrolysis (Potassium Hydroxide 10%, 10 days at 60 ° C)	no negativity
Hydrolysis (Sodium Hypochlorite 8%, 10 days)	no negativity
Mechanical or vegetable oils	no negativity
Alcohol, thinner, vehicle fuels	no negativity
Salt water, ice, boiling water	no negativity

**Cleaning of Tools**

Clean all tools and application equipment with thinner immediately after use. Hardened/cured material can only be mechanically removed.

### Health and Safety Information

The following protective measures should be taken when working with the material: Wear safety gloves, goggles and protective clothing. Because of irritation, effects of the uncured material, components should not come in contact with the skin or eyes. In cases of contact, the affected area should be washed with plenty of water and soap. If swallowed, seek medical attention immediately. Do not drink or eat at the application site. Keep out of reach of children.

### Product Liability

Momentum is just responsible for the quality of the Momentum labelled products. All the data referred herein are gathered as a result of practical and scientific studies. Momentum cannot be legally obligated or responsible for any damage unless correct product is used accurately in suitable areas and under right conditions.

### Legal Notes

All the information and guidelines given in this technical sheet was formed and developed through the experience in the laboratories of Momentum, and was systematically collected by our field engineers. "Momentum" has the right to make changes in the product where necessary, without notice. The information given above is valid for the product from the date of publication. It is the user's responsibility to verify the accuracy of the information. The product should be used based on the technical information form for there commended purpose. It is the responsibility of the users to implement all measures for the fulfilment of the specified requirements. The data in the technical information form is designed to give descriptions of the product performance, under specific test conditions. An important factor in product performance is the variables that may occur in the initial process which should be used as a general guide to the user. Any unauthorised use of this product not covered in the written guidelines, Momentum will not be held legally responsible. It is always the responsibility of the user to take all necessary precautions regarding specific requirements of the law set out in local and national legislation. Follow the rules of the safety information provided in the Safety Data Sheet regarding operating procedure of the product, protective equipment, storage, fire and first aid etc. Conditions regarding the use of this product after its end date has nowarranty. We can not accept responsibility for products past their expiry date. Responsibility can not be accepted. Please contact the Technical Service department for more detailed information about the.