

MORA PU-UVR

MORA PU Stone Resin Bond UV Resistant is a high-quality polyurethane adhesive that maintains its colorless appearance over time. By providing a wider range of color aggregate options. Installers have more freedom in design. When combined with decorative aggregates, it can create economical decorative surfaces with seamless, flexible finishes. MORA PU Stone Resin Bound UVR- does not contain any solvents and once fully cured, it will form an inert, harmless stone surface.



TECHNICAL DATA:

| | |
|--|---------------------|
| Compressive Strength | 81.9 (Mpa) @ 7 Days |
| Flexural Strength | 64.3 (Mpa) @ 7 Days |
| Abrasion Index | 31 @ 7 Days |
| Tensile Adhesion Strength After Water Immersion (Saso Iso 13007-2) | 7.22 (Mpa) |
| Shore Hardness (D) | 66 |
| Chemical Resistance (Saso Gso En 14688 :2011) | |
| Citric acid solution, 100 g/l. | No Visible effect. |
| Sodium hydroxide (NaOH), 5 % m/m | No Visible effect. |
| Sodium hypochlorite (NaOCl), 20 g/l. | No Visible effect. |
| Stain Resistance (Saso Gso En 14688 :2011) | |
| Methylene Blue 1 % m/m | No Visible effect. |
| Sodium Chloride (NaCl), 170 g/l | No Visible effect. |

MIXING RATIO:

Component A (Resin) 4 : Component B (Hardener) : 1

Our recommended mix design for 7.50 kg kit:

| Aggregates | Mixed resin | Rate | Cover(M ²) | Thickness |
|---------------|-------------|---------|------------------------|-----------|
| 100kgs ± 6kgs | 6-7.5kgs | 6%-7.5% | 4.0 | 10mm |

MIXING:

MORA PU Stone Resin Bond UVR - has been accurately pre-measured to provide an exact chemical reaction.

PREPARATION:

MORA PU Stone Resin Bond UVR - should only be applied to solid substrates (concrete, tarmac, compacted hardcore etc.) Clean the area thoroughly of any oils or loose debris and ensure the area is

dry.

APPLICATION:

MORA PU Stone Resin Bond UVR - Materials are delivered to the installation team in a wheel barrow and emptied onto the surface ready for troweling. If using a pre-set sledge/screed box, fill it with the materials and then pull it across the surface to release the product. Be sure to overlap the previous unit by your approx. thickness to tie them together. When troweling the material use a firm downward pressure until well compacted and level. The surface should be smooth when you run your trowel over it. There should be no undulations or scuffs caused by trowel marks or material that hasn't been compacted thoroughly.

USEFUL TIPS:

To ensure that you get the optimum of properties and surface finish, remember the following:

- ✚ Ideal application temperature is 15-20°C.
- ✚ Store materials overnight in a warm place.
- ✚ Use heaters if the temperature is low.
- ✚ Keep cool if temperatures exceed 30°C.
- ✚ Avoid high atmospheric humidity, particularly areas where plaster has just been applied.
- ✚ Never alter mixing ratios.
- ✚ Mix thoroughly by mechanical means whenever possible.

CLEANING:

All brushes, rollers, tools etc. should be cleaned with thinners immediately after use. For hands – soap and water.

HEALTH & SAFETY:

It is recommended that barrier creams, gloves and protective clothing are used when using Gravel bound resin. If eyes are affected wash with copious amounts of water and seek medical advice. For full details refer to Safety Data Sheet.

ALWAY WORK TO WET EDGE:

Pay close attention to the joining section of each unit this is where trowel marks are easily overlooked. Finish with lighter strokes to eliminate ridges. To learn a thorough troweling technique we recommend our on-site training option. If work cannot be completed in one application, form a day joint using an aluminum edging strip.

RECOMMEND BE LEFT IN THE SURFACE:

If the aluminum day joint is removed the next day, this will create the appearance of a hairline crack in the surface where the fresh material is up against the already cured section. Alternatively, prior to starting the installation process, divide the area into more manageable sections using a solid edging stone or similar.

CLEANING MIXER:

The walls of the mixer should be cleaned every five mixes. Ensure the mixer's delivery door, chute, center shaft, and the sides are cleaned with a square ended trowel. This will prevent any cured material jamming the gate of mixer. Once the aggregate mixed has been emptied into the wheelbarrow, remove any residual material from the chute and the gate to keep it clear and free of build-up.

STORAGE:

MORA PU Stone Resin Bound UVR - have a shelf life in excess of 9 months if stored in dry warm environment. All MORA PU products should be stored at ambient temperatures to ensure the products remain in prime useable condition. Storage of products outside this range or repeated fluctuations in storage temperature can reduce the storage life of resin-based products. environment. All MORA PU products should be stored at ambient temperatures to ensure the products remain in prime useable condition. Storage of products outside this range or repeated fluctuations in storage temperature can reduce the storage life of resin-based products.

PACKAGING:

Standard package: 20 kgs/metal buckets:



Component A (Resin) 16 kg – Component B (Hardener) 4 kg.



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