

# Vuba

## Resin Bound Binder UVR

### Technical Datasheet



#### Vuba Resin UVR is a UV Resistant Hybrid Polyurethane Resin Binder

Vuba Resin UVR is an aliphatic, polyurethane resin binder that comes in 2 parts. Part A (Resin) and Part B (Hardener) and is for use as a stone encapsulation binder for both pedestrian and vehicle trafficked areas.

#### Flexural Strength

Vuba conducted a Flexural Strength Test on our Vuba Resin Bound Binder UVR. A three-point bend test, conducted by a UKAS approved lab to BS EN 13892-2:2022 standards, evaluated the materials' resistance to bending forces. We also tested performance when moisture damaged. Results showed significant highs for Vuba Resin Bound Binder UVR, with flexural strength scores nearly double that of competitors - a high score of **9.376MPa** was achieved. The moisture damaged samples resulted in being nearly 280% stronger than competitors as well. These impartial results reinforce Vuba's reputation for exceptional quality and durability in the industry.

#### Shaling Resistance

We sent Resin Bound Binder UVR for a Determination of Scuffing Resistance Test, which assesses the Resin Bound Surfacing's ability to withstand shaling from an abrasive wheel, a crucial test in our industry. We found that Vuba Binder exhibited no loss in texture depth after exposure to abrasion, scoring a **0.0 Erosion Index**. With our industry lacking a British Standard and misinformation rampant, we value the clarity provided by this genuine test offering contractors a reliable benchmark for assessing product quality.

#### Curing Times

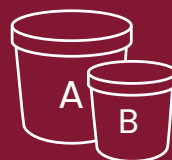
The curing time is determined by the inclusion of Dibutyltin Dilaurate Catalyst. Please see the 'Vuba Catalyst' Technical Datasheet for more information.

#### Technical Data

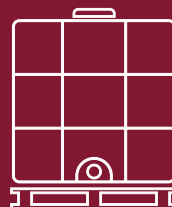
Properties	Value
Type of Resin	Polyurethane Resin
UV Stability	UV Resistant
Flexural Strength*	9.376 MPa
Maximum Humidity	90%
Erosion Index*	0.0
Fire Rating*	BFL-s1
Full Chemical Cure	8-10 Days
Processing temperature	5°C - 30°C

\* When combined with aggregates in a resin bound system.

#### Available Sizes



7kg and 7.5kg Vuba Resin Bound Binder UVR



IBC Bulk Load 1000kg

#### Certification



#### Official Test Results

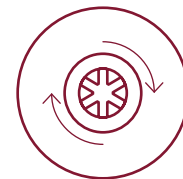
**9.376MPa**  
on a **Flexural Strength Test**

**0.0**  
**Erosion Index**  
which is a perfect score on a Shaling Test.

#### Benefits



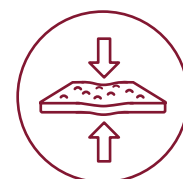
**Vehicle Traffic**  
Suitable to take vehicle weights and trafficked areas.



**Shaling Resistant**  
We tested our products with a scuffing test and achieved a 0.0 Erosion Index.



**UV Stable**  
Completely UV stable, aliphatic Resin.



**Long Term Flexural Resistance**  
High flexural strength and durability.



**15 Year Warranty**  
Going up to **25 years** when installed on VubaMac.



### Application Guidance

See the 'Vuba Resin Bound System' Technical Datasheet and Method Statements for advice on the correct application technique.

### Storage

Store above 7°C temperature and not in direct sunlight. Ensure container is unopened and the seal is not broken. Store for 3 months.

### Health and Safety

**Part A (Resin)** is not classified as a dangerous substance; however, the wearing of goggles is to be recommended. **Part B (Hardener)** contains a non-volatile isocyanate. Avoid prolonged contact with skin. In cases of contact with eyes, flush out with excess water and seek medical attention. Wear goggles.

### Disposal Considerations

Normally the Part A resin will be mixed in its own container with Part B. When this is done correctly the resultant material in the container is inert and the label must be defaced. The container and remnant may be disposed of as normal industrial waste. Any uncured material must be disposed of as hazardous waste. Please consider the regional or national regulations regarding disposal.

### Packaging Information

Available in a 7kg and 7.5kg size, and a 1000kg IBC Bulk Load.