

**WATERPROOFING**



## Vetourea PUA791

Two-component, solvent-free, cold brush-applied, flexible polyurea waterproofing membrane.

### Uses

- Substrate protection for plant rooms and trafficable roof decks.
- Waterproofing for areas exposed to high wind abrasion.
- Waterproofing of water features, pools, ponds, bridges, streets, and tunnels with high residual moisture.
- Lining of non-potable water and wastewater tanks.
- Loading docks and access ramps.

### Product Description

Vetourea PUA791 is a two-component, cold brush-applied, solvent-free, low-odor, high-performance, slow-curing, and flexible polyurea waterproofing membrane. It can be applied in virtually any environmental conditions without negatively impacting curing time or physical performance. It provides a seamless and durable substrate protection solution.

### Advantages

- Solvent-free.
- Low VOC content.
- Very good hiding power when pigmented.
- Stable over a wide temperature range.
- Extended service life duration.
- High flexibility and impact resistance compared to traditional epoxy systems.
- Can be applied even under extreme climatic conditions: hot, cold, and humid.
- Excellent adhesion to concrete, steel, aluminum, plastics, fibers, wood, foam, etc.
- Longer open times, making it ideal for hot and humid climates.

### Technical Data

Vetourea PUA791	Typical Values @ 25°C, 50% RH
Color	Blue, gray, black
Tack Free Time (Hours)	1 - 2
Pot Life (Minutes)	40 - 45
Solid Content (By weight%)	97
Trafficable Time (Hours)	18 - 24
Over Coating Time (Hours)	6 - 8
Tensile Strength (N/mm <sup>2</sup> )-ASTM D412	4.2
Elongation (%) ASTM D412	770
Shore A hardness, 7 days ASTM D2240	82
Application Temperature (°C)	5 to 45
Service Temperature (°C)	-35 to 80
Full Dry Time (Days)	7

## Usage Instructions

### Surface Preparation

All new concrete surfaces must be cured for at least 28 days prior to the application of the primer. All cementitious substrates must be structurally sound.

For previously painted surfaces, remove old paint completely. The substrate should have sufficient strength and be free from unsound areas, pug holes, protrusions, and pops. Make sure that the surface is clean, dry, and free from dust, oil, grease, salt, mold, and all forms of release agents/curing agents. A light sanding with suitable abrasive material is recommended before application. Any resulting dust or loose particles must be removed before application.

### Priming

All surfaces receiving Vetourea PUA791 should be primed with Vetoprime EP491, designed for maximum absorption and adhesion to concrete substrates. Add the entire contents of the hardener tin to the base tin and mix the two primer components thoroughly for at least 3 minutes - only mix full packs. Once mixed, the primer should be applied immediately to the prepared substrate using stiff brushes and/or rollers. The primer should be well 'scrubbed' into the substrate to ensure full coverage. Take care to avoid over-application or 'ponding.' Allow the primer to dry before proceeding to the next stage. Do not proceed while the primer is 'tacky,' as this will lead to unsightly marks on the finished surface. Porous substrates may require a second primer coat when the first coat is directly absorbed into the substrate but observe a minimum over-coating time.

### Mixing

Vetourea PUA791 is supplied in two pre-weighed packs (base and hardener), ready for immediate on-site use. Part mixing of these components is not acceptable and will affect both the performance and appearance of the finished floor. Mixing should be carried out using either a forced action mixer or a heavy-duty mobile mixer fitted with a jiffy-type mixing paddle. All such equipment should be of a type and capacity approved by Saveto. The components should be mixed in a suitably sized mixing vessel. Stir the base and hardener components individually, then empty them into the mixing vessel, scraping the edges, and mix for 3-4 minutes until a completely homogeneous material is obtained.

### Application

Vetourea PUA791 can be applied using a brush, roller, or airless spray machine.

When applying two or more coats, allow each coat to dry completely before applying subsequent coats. The waiting time between coats is a minimum of 6 hours and a maximum of 24 hours. If the recoat window is exceeded, sand slightly to produce a profile, wipe with acetone, and then apply the next coat. When applying Vetourea PUA790 with a squeegee or notched trowel, the floor should be back rolled using a spiked roller to assist in de-airing the coating.

### Cleaning

Remove Vetourea PUA791 product from tools, equipment, and mixers with Vetonit Solvent XX400 immediately after use. Cured material can only be removed mechanically.

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## Packaging & Coverage

Product	Pack Size	Coverage
Vetourea PUA791	18 Liter kit	0.97 m <sup>2</sup> /liter/coat @ 1 mm thickness
Vetoprime EP491	4 & 15 Liter kit	10 m <sup>2</sup> /liter/coat @ 100 microns thickness

Stated consumption data are for general guidance. Actual consumption depends on the nature of the substrate, consistency used, method of application, and wastage.

## Shelf Life & Storage

The original sealed kit of Vetourea PUA791 has a shelf life of 12 months, provided it is stored clear of ground in a dry and shaded place below 35°C.

## Limitations

Vetourea PUA791 is UV-stable but are not color stable. The cured coating may exhibit discolor-action when exposed to sunlight. This does not influence the physical properties of the material.

For work in exposed areas, do not proceed with application if precipitation is imminent.

For a bonded polyurea coating application, concrete substrate must have achieved at least 75% of its design strength. Concrete relative humidity must be ≤75%.

For more information contact our technical team.

## Health & Safety

Vetourea PUA791 is irritant and harmful; therefore, avoid direct contact with eyes or skin. It is recommended to use protective gloves and goggles during application. In case of contact with eyes, clean immediately with plenty of clean cold water and seek medical advice. Ensure adequate ventilation when using the product or when using solvent for cleaning purposes and avoid vapors' inhalation. The use of barrier creams provides additional skin protection. In case of skin contact, rinse with plenty of clean water, cleanse with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - Do not induce vomiting.

Vetourea PUA791 & Vetoprime EP491 are non-flammable. Vetonit Solvent XX400 is flammable.

## Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications.

For further information on these products and systems kindly check our website or contact your local Saveto representative.

### Legal Disclaimer

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