



## Vetoset UA456

Two-component, semi rigid PU-based adhesive

### Uses

- Suitable for both industrial and commercial applications, exhibiting excellent bonding between substrates such as artificial grass, PVC, sandwich panels, glass, cement boards, metal, wood, rubber, fiber cement, and mineral wool.
- Used as a tile adhesive horizontally on steel substrates.

### Product Description

Vetoset UA456 is a two-component, polyurethane-based binder system for horizontal applications, used to join sandwich panel elements and other similar constructions made of different materials. It is a blend of premium quality pure hydrophobic polyurethane resin, cured with a special grade of hardener, and reinforced with fine fillers.

### Advantages

- Easy to mix and apply.
- Excellent adhesion between concrete and various materials.
- Room temperature curing.
- Solvent-free.
- Semi-rigid.

### Technical Data

Vetoset UA456	Typical Values @ 25°C	
	Vetoset UA456 Base	Vetoset UA456 Hardener
Color	Beige	Brown
Mix Color	Beige	
Density (kg/liter)	1.75	1.23
Mix Density (kg/liter)	1.67	
Solid Content (By weight%)	100	100
Mixing Ratio (By weight)	11.84:1	
Application Temperature (°C)	10 to 35	
Pot Life (Minutes)	55 - 60	
Adhesion Bond Strength ASTM D4541 (N/mm <sup>2</sup> )	2	
Curing Time (Hours)@55%RH	8 - 12	

### Design Criteria

Vetoset UA456 polyurethane (PU) two-component adhesives are used in the construction of sandwich panels and are critical for ensuring the structural integrity, durability, and performance of the panels in their applications. Sandwich panels, composed of two outer skins bonded to a core material, rely on the adhesive for load transfer between the skins and the core as well as for overall panel stability.

## Usage Instructions

### Surface Preparation

Surfaces must be clean, dry, and free from grease, oil, dust, and contaminants. After the cleaning process, a physical or chemical pretreatment might be required, depending on the surface and type of material. The type of pretreatment must be determined by tests.

New concrete floors shall be at least 28 days old with a moisture content of less than 4% (shall earlier application be required testing of substrate for moisture conditions shall be.

### Mixing Vetoset UA456

Mix the base [Part A] and hardener [Part B] components of Vetoset UA456 thoroughly using a heavy-duty, slow-speed drill-paddle assembly for two to three minutes to ensure a homogeneous mix.

### Application

Properly mixed materials should be spread or filled over the cleaned surface using a suitable tool, as per requirement demands, on the entire area without leaving any gaps.

### Cleaning

Clean tools with Vetonit Solvent XX400 promptly before the material hardens. Cured material must be mechanically removed.

### Limitations

- Vetoset UA456 should not be applied at temperatures below 10°C.
- For concrete and wooden surfaces, the moisture content should be less than 4%.
- Primer is generally not required on non-porous surfaces but may be necessary for optimal sealing of certain porous surfaces.

### Legal Disclaimer

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Hard copies of TDSs are printed once or twice a year. Our technical data sheets are continuously updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

## Packaging & Coverage

Product	Pack Size	Coverage
Vetoset UA456	10 kg kit	0.6 m <sup>2</sup> /kg/coat @1 mm thickness

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

### Shelf Life & Storage

The original sealed kit of Vetoset UA456 has a shelf life of 12 months, provided it is stored off the ground in a dry, shaded place at temperatures between 5°C and 35°C.

### Health & Safety

Though Vetoset UA456 is not classified as hazardous, wear suitable protective clothing, gloves, eye protection, and respiratory protective equipment. The use of barrier creams provides additional skin protection. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. In case of contact with the eye, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately – do not induce vomiting.

Vetoset UA456 is not flammable.

Vetonit Solvent XX400 is flammable. Keep away from sources of ignition. No Smoking. In the event of a fire, extinguish with CO<sub>2</sub> or foam.

Refer to the product Material Safety Data Sheet for further information.

### Additional Information

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

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