



Ressi TA Flexi Stone I

High-Performance Acrylic Adhesive for Flexible Stone Systems

RESSICHEM[®]
adding life and value to your property

Ressi TA Flexi Stone 1 is a high-performance, ready-to-use acrylic polymer emulsion adhesive specifically engineered for the installation of flexible stone veneers and lightweight façade cladding systems. Formulated with advanced polymer technology, it provides superior adhesion, high flexibility, and excellent weather resistance, making it suitable for both interior and exterior applications, including demanding façade conditions. The product is designed to ensure strong bonding between polymer-backed flexible stone sheets and cementitious or board-based substrates, while accommodating thermal movement and structural vibrations.

AREAS OF APPLICATION

- ✓ Installation of flexible stone veneers (1–5 mm thickness)
- ✓ Exterior façade cladding systems
- ✓ Interior decorative wall finishes
- ✓ Curved surfaces, columns, and architectural features
- ✓ Suitable substrates include:
- ✓ Cement plaster
- ✓ Concrete surfaces
- ✓ Fiber cement boards
- ✓ Gypsum boards (interior applications)

ADVANTAGES

- ✓ High Bond Strength – Excellent adhesion to polymer-backed flexible stone
- ✓ Superior Flexibility – Accommodates thermal expansion and substrate movement
- ✓ Excellent Initial Grab – Ideal for vertical and overhead applications
- ✓ Weather Resistant – Suitable for exterior façade exposure
- ✓ Crack Bridging Ability – Helps absorb minor substrate movements
- ✓ Extended Open Time – Allows ease of placement and adjustment
- ✓ Smooth Workability – Easy to spread with consistent coverage
- ✓ Ready-to-Use – No mixing required, reduces application errors
- ✓ Low VOC Formulation – Environmentally friendly and safe for indoor use

SURFACE PREPARATION

Substrate must be clean, dry, and free from dust, oil, grease, or loose particles. Ensure surface is level and structurally sound. All necessary surface repairs, including crack filling or substrate restoration, must be completed prior to application of the adhesive. Ressichem offers a range of suitable crack fillers and repair compounds, including non-shrink cementitious grouts, specifically designed for surface preparation and repair.



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APPLICATION

The adhesive should be applied using a notched trowel with a notch size of 3–6 mm, ensuring an even and uniform spread over the prepared substrate. Once applied, the flexible stone sheet should be carefully positioned onto the adhesive bed and pressed firmly into place using a roller or consistent hand pressure. It is essential to achieve a minimum of 90–100% contact coverage between the adhesive and the stone backing to ensure proper bonding. Care must be taken to eliminate any air pockets or voids behind the sheet, as these may compromise adhesion and long-term performance.

TECHNICAL DATA

Property	Value
Base	Acrylic Polymer Emulsion
Appearance	Smooth, homogeneous paste
Color	Off-White (Custom Colors on Request)
Viscosity	200,000 Cps ± 50,000 cPs (Water Dilutable)
Open Time	20 – 30 minutes
Adjustment Time	15 – 20 minutes
Initial Set	24 hours
Application Temperature	+5°C to +40°C
Service Temperature	-10°C to +70°C
Application coverage	Approx. 1.5 – 2.5 kg/m ² (Coverage may vary depending on substrate condition and trowel size)

*The product is based on acrylic dispersion technology and is comparable to D-class (D1/D2) adhesives as defined in BS EN 12004.



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PACK SIZE

Ressi TA Flexi Stone 1 is Available in 20 KG Buckets

SHELF LIFE

12 Months from date of manufacture when stored under warehouse conditions in original unopened packaging. Extreme temperature / humidity may reduce shelf life.

HEALTH AND SAFETY

Ressi TA Flexi Stone 1 is regarded as non-hazardous for transportation. Do not reuse bags or containers and dispose them off as per local rules and regulations. Gloves and suitable masks can be worn during application. Please refer to the MSDS of the product for further health and safety information.

NOTE:

Prior to the use of **Ressi TA Flexi Stone 1**, A compatibility test should be conducted prior to application and recommendation of the material. Since this is a water-based material, the viscosity of the material can be adjusted as per site requirement by adding potable water to the mix.



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PRINTED



UNIVERSAL

NOTE:

If printed buckets are not available, neutral buckets with label. Lot number and manufacturing date to be stamped at the back of each bucket.

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مضبوطی اور پائیداری کے لئے

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