

**Ressi TA SF-1** is a three-component chemical resistant solvent Free epoxy based chemical resistant tile adhesive. It is suitable for Quarry and ceramic tiles for concrete and steel surfaces. **Ressi TA SF-1** is also suitable as a multipurpose adhesive suitable for bedding and repairs.

## ADVANTAGES

- ✓ High Resistance to a wide range of industrial chemicals
- ✓ Good adhesion to steel, concrete and Tile

## TECHNICAL DATA

Component	Three: Part A: Base (100 Parts) Part B: Hardener (50 Parts) Part C: Filler (250 Parts)
Mixed Form	Paste
Color	Grey
*Open Time	> 20 Mins (Tested as per BS EN 1346)
*Full Cure	7 Days
*Compressive Strength	75 N / mm <sup>2</sup> @ 7 Days (Tested as per BS EN 6319-2)
*Tensile Strength	20 N / mm <sup>2</sup> @ 7 Days (Tested as per BS EN 6319-7)
*Initial shear adhesion	> 2 N / mm <sup>2</sup> @ 7 Days (In house testing method)
*Flexural Strength	30 N / mm <sup>2</sup> @ 7 Days (Tested as per BS EN 6319-3)
*Chemical Resistance	Resistant to various chemicals like mild acids, alkalis, grease, petrol, etc.

\*Typical results under laboratory conditions  
These results comply with BS EN 12004 Type Type R.

## SURFACE PREPARATION

All grease, oil, chemical, contamination, dust, laitance, and loose particles must be removed by scrubbing or light brush hammering to provide a sound substrate. The concrete must be 14 days old prior to treatment. Steel surfaces should be grit blasted to white metal. Surfaces which show any trace of oil must be degreased with a chemical degreaser prior to grit blasting.

## MIXING

Stir part A and part B separately to disperse any settlement. Add Part C to Part A and Achieve a homogenous mix. Further Mix Part B Into the mixture to obtain a smooth consistent lump free mix. All Mixing works should be done using a slow speed drill machine fitted with paddle. All Mixing is to be done until a uniform consistency is achieved.

## APPLICATION

Apply the mixed **Ressi TA SF-1** with a notched trowel to a thickness of 2mm on the prepared surface. Tiles should be placed within the working time of the adhesive.

## SHELF LIFE

Expiration of **Ressi TA SF-1** 12 months after production date under dry and sheltered conditions.

## PACKAGING

**Ressi TA SF-1** is available in 32 KG Bags.

32 KG Set	Part A: Base	08 KG
	Part B: Hardener	04 KG
	Part C: Filler	20 KG

## COVERAGE

30 SFT / Kit of 32 KG @ 4mm thickness.

## HEALTH AND SAFETY

**Ressi TA SF-1** is regarded as non-hazardous for transportation. Do not reuse bags or containers and dispose of them 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:

It is recommended to have a compatibility test between the substrate and the type of tile being used. **Ressi TA SF-1** may not be suitable for all types of tiles and substrates. In areas of high vibration, usage of **Ressi TA SF-1** is not recommended.

## CHEMICAL RESISTANCE CHART FOR RESSI ETA SF-1

Chemical	Resistance
Acetic Acid 99%	NR
Acetic Acid 33%	1 day
HBr 47%	Excellent
HCl 12%	Excellent
Nitric Acid 57%	NR
Nitric Acid 19%	Excellent
Sulfuric Acid 98%	NR
Sulfuric Acid 33%	Excellent
ECH 50% in water	NR
DETA 50% in water	1 day
Toluene	Excellent
Petrol	Excellent
Lactic Acid	Good
Sodium Hydroxide 50%	Excellent
Water at 70°C	Excellent
Sodium Chloride 30%	Excellent
Methanol	NR
MEK	NR
MIBK	Excellent
<p>Key:            Excellent: &lt; 5% 80-day mass change            Good: 5-10% 80-day mass change            1-day: &lt; 10% 1-day mass change            No Resistance: &gt; 10 % 1-day mass change</p>	



# RESSI ETA SF-1

Solvent Free Epoxy Based Extremely High Strength Tile Adhesive

**RESSICHEM**<sup>®</sup>  
adding life and value to your property



PRINTED BAG



UNIVERSAL PACKAGING

## 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.