

**Ressi TG CR Semi-Gloss** is a 2-component epoxy-based tile grout based on high grade Resins. It provides excellent chemical resistance, anti-fungal, anti-bacterial and dust proofing properties. **Ressi TG CR Semi-Gloss** is suitable for the tile joint grouting in Industries where heavy acid use prevails, hospitals, kitchens, chemical spillage rooms, laboratories, swimming pools, etc.

## ADVANTAGES

- ✓ Excellent chemical resistance
- ✓ Excellent resistance to bacterial and fungal growth
- ✓ Solvent free
- ✓ Shrinkage free and rapid hardening
- ✓ High mechanical strength
- ✓ Curing is not affected by high humidity
- ✓ Impact and vibration resistant
- ✓ Excellent adhesion

## TYPICAL PROPERTIES AT 25°C

Component	Two: Part A: Base Part B: Hardener
Mixed Form	Paste
Color	Various Colors available: Refer to shade card
*Mixed Density	1.9 KG / Ltr $\pm$ 0.05
*Open Time	30 Mins
*Full Cure	7 Days
*Compressive Strength	75 N / mm <sup>2</sup> @ 7 Days (Tested as per BS EN 6319-2)
*Tensile Strength	15 N / mm <sup>2</sup> @ 7 Days (Tested as per BS EN 6319-7)
*Initial Shear Adhesion Strength	>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	Please refer to chemical resistance chart provided in this TDS.

\*Typical results under laboratory conditions

## SURFACE PREPARATION

Joints to receive grout should be clean, dry, and free from standing water, grease, loosely adhering particles etc. cement laitance should be removed by mechanical means.

## MIXING

Mix part A with Part B using a slow speed drill machine fitted with a mixing paddle and continue to mix until a uniform consistency is achieved.

## APPLICATION

Mixed **Ressi TG CR Semi-Gloss** should be worked into the tile joints using a spatula. It is recommended to use masking tape around the edges of the tiles to avoid any spillage. Excess grout material can be removed with the use of a cloth or sponge along with a suitable solvent. Removal of excess material should be carried out hardening of the applied grout.

## CHEMICAL RESISTANCE CHART

Chemical	Resistance	Chemical	Resistance
Acetic Acid 99%	NR	Toluene	Excellent
Acetic Acid 33%	1 day	Petrol	Excellent
HBr 47%	Excellent	Lactic Acid	Good
HCl 12%	Excellent	Sodium Hydroxide 50%	Excellent
Nitric Acid 57%	NR	Water at 70°C	Excellent
Nitric Acid 19%	Excellent	Sodium Chloride 30%	Excellent
Sulfuric Acid 98%	NR	Methanol	NR
Sulfuric Acid 33%	Excellent	MEK	NR
ECH 50% in water	NR	MIBK	Excellent
DETA 50% in water	1 day		

### Key:

Excellent: < 5% 80-day mass change  
Good: 5-10% 80-day mass change  
1-day: < 10% 1-day mass change  
No Resistance: > 10 % 1-day mass change

\*This is a tentative chart for reference only. It is recommended to do a compatibility test and sampling prior to any application.

## COVERAGE

Tile size (W X B) mm	Tile thickness mm	Joint Width mm	Grout consumption Ltr / m <sup>2</sup>
200 X 200	6	5	*0.370
455 X 500	6	5	*0.170

\*Figures are theoretical values only. Allowance for wastage should be considered.



## SHELF LIFE

Expiration of **Ressi TG CR Semi-Gloss** is at 12 months after production date under dry and sheltered conditions.

## PACKAGING

**Ressi TG CR Semi-Gloss** is available as follows.

1.54 KG Set    Part A: 1 KG  
                         Part B: 540g

## HEALTH AND SAFETY

**Ressi TG CR Semi-Gloss** 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.