Ressi TG CR HIGH GLOSS

Acid and chemical resistant high strength epoxy tile grout

RESSICHEM®
adding life and value to your property

Ressi TG CR High Gloss is a 2-component solvent free 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 High Gloss** is suitable for the tile joint grouting in Industries where heavy chemical use prevails. This is an ideal product that can be used in hospitals, kitchens, chemical spillage rooms, laboratories, etc.

ADVANTAGES

- ✔ 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
- ✔ Mild chemical resistance

TYPICAL PROPERTIES AT 25°C

Component	Two: Part A: Base Part B: Hardener
Mixed Form	Pourable Paste
Color	Various Colors Available: Refer to Shade Card
Mixed Density	1.9 KG / Ltr ± 0.05
*Open Time	30 Mins
*Full Cure	7 Days
*Compressive Strength	75 N / mm^2 @ 7 Days (Tested as per BS EN 6319-2)
*Tensile Strength	15 N / mm^2 @ 7 Days (Tested as per BS EN 6319-2)
*Initial Shear Adhesion Strength	> 2 N / mm^2 @ 7 Days (In house Developed Method)
*Flexural Strength	30 N / mm^2 @ 7 Days (Tested as per BS EN 6319-3)
*Chemical Resistance	Please refer to chemical resistance chart provided.

***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. All the areas surrounding the joints must be taped thoroughly. **Ressi TG CR High Gloss** is a pourable tile grout, taping should be done with the most care as cleaning this material from various tile surfaces is difficult and can also damage the tiles.

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D-83, S.I.T.E., Industrial Area, Manghopir Road, Karachi - 75530, Pakistan
+92-21-32593800-02 +92-309-7772464
www.ressichem.com

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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 High 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 while the material is still wet and has not cured completely.

CHEMICAL RESISTIVITY CHART

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

Chemical	Resistance
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

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 / m2
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 High Gloss** is at 12 months after production date under dry and sheltered conditions.

PACKAGING

Ressi TG CR High Gloss is available in the following packaging.

1.4 KG Kits	Part A: 1 KG
	Part B: 400g

HEALTH AND SAFETY

Ressi TG CR High 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.

NOTE:

Ressi TG CR High Gloss is available in many standard different colors. Please Refer to the product shade card for color reference. Please note that the colors presented in the shade cards are for reference, the color shade may vary with the difference in the application and methodology along with the production availability of pigments at source. The coverage presented in the Technical data sheet is theoretical. Place an actual area on site to check for the coverage and color outcome on the job site.

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