



**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 <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 6319-2)	
*Initial Shear Adhesion Strength	> 2 N / mm <sup>2</sup> @ 7 Days (In house Developed 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.	

\*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.



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





## 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	
HCI 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 70⁰C	Excellent	
Sodium Chloride 30%	Excellent	
Methanol	NR	
МЕК	NR	
МІВК	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.

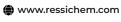
# COVERAGE

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.



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



Consult **Ressichem** technician incase further information is required on the subject.





## 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



PRINTED

UNIVERSAL

# NOTE:

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



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

PAGE: 3 OF 4





# 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.



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