



TECHNICAL DATA SHEET

STY 42 GRANIT - COMPOSITE STONE ADHESIVE

1. PROPERTIES

STY 42 GRANIT is a transparent adhesive in gel form for bonding Composite Stone Surface, Quartz countertop, Granite or similar engineered stone surfaces and all type natural stones. The transparent adhesive gets the desired color when mixed with the appropriate colored hardener.

- Non-yellowing
- Colored with Hardener
- > 1 mm adhesion surface
- Stable colors under UV
- Fast Curing (15 - 30 minutes at 25°C)
- Good working properties (grinding, milling, drilling)
- Excellently polish able
- Very good adhesion even at higher temperatures

2. APPLICATION AREAS

Suitable for Composite Stone Surface, Quartz countertop, Granite or similar engineered stone surfaces and all type natural stones.

3. INSTRUCTIONS FOR USE

1. The surface to be treated must be clean, completely dry and slightly roughened.
2. Coloring is possible by adding Colored hardener paste HR42.
3. The resin is mixed with HR42 Hardener at the rate of %2-3 and applied on the surface.
4. Mix both components thoroughly. The mixture can be worked in about 4-7 minutes at 20°C
5. After 50 to 90 minutes (at 20°C) the treated parts can be further processed and transported.
6. The hardening process is accelerated by heat and delayed by cold.

4. TOOLS REQUIRED FOR APPLICATION

Spatula



5. PACKAGING

PRODUCT	VOLUME	PACKAGE
METAL CAN	1 Kg	12
METAL BUCKET	5 Kg	4
METAL BUCKET	25 Kg	-

6. STORAGE AND SHELF LIFE

The shelf life is 6 months in well-closed original container, and if stored in dry place at temperatures 18-25°C. Store in airtight original containers at cool and dry areas. Keep away from direct sunlight and source of heat.

7. CAUTION

- In wall covering application or in case of high range of temperature changes use fixed pins or suitable supports.
- A homogeneous mixing facilitates uniform catalysis.
- The hardener rate depend of temperature and the quantity of the resin.
- An excess of hardener increase the hardening speed but weakens the adhesive seal.
- The color of the hardened adhesive may change color in case of ultraviolet light exposure.
- Always keep the package well closed.

8. SAFETY MEASURES

- Keep out of reach of children.
- Obtain special instructions before use.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Take precautionary measures against static discharge.
- Do not breathe dust/fumes/gas/mist/vapours/spray.
- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection.
- IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do- continue rinsing.
- If exposed: Call a POISON CENTER or doctor/physician
- If skin irritation occurs: Get medical advice/attention.



- If eye irritation persists get medical advice/attention.
- In case of fire: Use foam, carbon dioxide, dry powder or water mist for extinguishing.
- Get medical advice/attention if you feel unwell
- Keep under lock and key.
- Store in a well-ventilated place. Store in a closed container.
- Dispose of contents/container to ... [... in accordance with local/regional/national/international

9. TECHNICAL DATA

Color	Ice White
Consistency	Gel
Type	Solvent based / Polyester Based
Mixing rate with Hardener HR42	%2-3
Mixing time	· 1 min
Density at 25°C	1.14 ± 0,02 gr/cm ³
Viscosity	(25 °C 20 rpm) 200000-350000 cps
Pot life At 20°C (with %2-3 HR42)	4-7 min.
Cure Time	50- 90 minutes at 20°C
Max Reaction Temp.	110-115°C
Min. using temperature	-10°C
Max. heat resistance after curing	100°C
Maximum force (kgf)	: 490
Maximum elongation (Δ/mm)	: 1.18
Maximum traction (kg /mm ²)	: 4,5
Traction force (kgf)	: 490
Elongation (Δ/mm)	: 1.29
Elongation (%)	: 1.7