

TECHNICAL DATA SHEET (TDS)

GIOFIX G80 GRANITE MARBLE AND NATURAL STONE ADHESIVE

1. PROPERTIES

GIOFIX G80 is a two component granite, marble and natural stone adhesive based on polyester resin. Used for gluing, repairing and filling up porous and non-porous surfaces of the marble, travertine, natural stones, ceramic, brick and similar materials. Can be used both vertical and horizontal applications.

- Rapid cure time (3-5 min. at 25°C).
- Very low shrinkage during hardening.
- Easy to apply
- Excellent brightness after the use of grinding machines.
- Superior resistance to wear of time
- High reactivity
- Chemically inert and offers extended durability
- Very good adhesion on natural stones even at higher temperatures
- Temperature resistance of cured adhesive is between -10oC and +100oC
- Bonded surfaces are ready to use after 2 hours
- No color change, cracking or shrinkage during hardening period

2. APPLICATION AREAS

It is suitable for gluing concrete surfaces and natural stones like marble, granite, travertine.

3. INSTRUCTION FOR USE

1. The surface must be clean and free from dust and grease.
2. A component is mixed with B component / hardener at the rate of %2-3 until a homogenous mixture is obtained then applied on the surface.
3. A homogeneous mixing facilitates uniform catalysis.
4. The hardener rate depends on temperature and the quantity of the A component.
5. An excess of hardener increase the hardening speed but weakens the adhesive seal.
6. The surface to be treated must be clean and dry, porosity and the roughness of the surface, favor best adhesion.

4. TOOLS REQUIRED FOR APPLICATION

Spatula

5. PACKAGING

PRODUCT	VOLUME	PACKAGE
METAL CAN	250 gr	24 24 12
METAL CAN	500 gr	12 6 4 - -
METAL CAN	1000gr	
METAL CAN	1200 gr	
METAL BUCKET	2.8 Kg	
METAL BUCKET	5 Kg	
METAL BUCKET	25 Kg	
METAL BUCKET	30 Kg	

6. STORAGE AND SHELF LIFE

Store in airtight original containers at temperatures not exceeding 30°C. Keep away from direct sunlight and source of heat. If stored properly, shelf life is 18 years.

7. CAUTION

- Uncured product can be removed with a suitable solvent.
- Mixing the comonenet in correct ratio is critical since the amount of hardener affect working time.
- In wall covering application or in case of high range of temperature changes use fixed pins or suitable supports.
- The color of the hardened adhesive may change color in case of ultraviolet light exposure.
- Keep the container tightly closed during the application.
- Apply the resin on a dry and clean surface.
- Hardened adhesive is workable after 2-6 hours.

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 ptection.
- ☒ 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

	Component A		Component B
Color	Beige White Black Red Gray *other colors are available if requested	Beige	White
Consistency	Tixotropic	Semi Solid	Paste
Density	1.90 ± 0.02 gr/cm3		
Viscosity	:25° C 20rpm 200000-350000cps		
Type	Solvent based / Contains styrene/ Polyester based		
Mix ratio	: %2-3 BPO		
Working time	: 5-10 min.		
Application temperature	: +5° C to +40° C		
Mixing time	: ~ 1min.		
Min Cure time	: ~3.5 - 5 min.		
Full Cure time	: 10-12 min.		
Flash Point	33° C (Comp A)	50° C (CompB)	
Max. Exotherm during reaction	: 110 - 115° C		
Min working temperature	: -5° C		
Max heat resistance	: 100° C		
Maximum force (kgf)	: 300 – 600		
Maximum elongation (Δ/mm)	: 2-5		

Maximum traction (kg /mm ²) Traction force (kgf) Elongation (Δ/mm) Elongation %	: 0.3-0,8 : 600-750 : 2-6 : 5-15
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