

CS MASTIC & CS MASTIC L



CHARACTERISTICS:

CS MASTIC (knife-grade) and CS MASTIC L (liquid), are two-component products, based on unsaturated polyester resin dissolved in styrene, containing mineral filling agents. The products have following qualities:

- Good working properties creamy-soft consistency, especially on vertical surfaces.
- Good working properties (grinding, milling, drilling)
- Good polishing properties
- Very good adhesion even at high temperatures
- Fast hardening
- UV-Stabilized

FIELD OF APPLICATION:

CS MASTIC is mainly used in stone processing industries for bonding natural and artificial stones. Due to its creamy-soft consistency the product is suited to fill large areas especially on vertical surfaces.

CS MASTIC L is mainly used in stone processing industries for bonding natural and artificial stones. Due to its liquid-like consistency the product is suited to fill large areas.

INSTRUCTIONS FOR USE:

- The surface must be clean and lightly abraded.
- A coloration is possible by adding polyester color pastes up to a max. of 5%.
- Add 1 to 4 gm of liquid hardener to 100 gm of MASTIC.
- Mix both components properly. The mixture can be worked for about 10 to 15 min.
- After 20-60 min (depending on product) the treated parts can be further processed.
- The hardening process is accelerated by heat and delayed by cold.
- Tools can be cleaned with appropriate cleaner.

SPECIAL HINTS:

- Use hand gloves to protect hands.
- Hardener portions higher than 4 % reduce adhesion and deteriorate surface drying.
- Hardener portions less than 1% and low temp (under 5°C) considerably delay hardening.

- The bonding layers should be as thin as possible (<2 mm) due to shrinkage (approx. 2-8%) caused by high reactivity of the CS MASTIC and CS MASTIC L and development of heat during the hardening process.
- When filling bigger holes modeling corners and edges use as little hardener as possible.
- Limited durability of bonding which are frequently exposed to humidity and frost.
- The hardened CS MASTIC and CS MASTIC L has a slight tendency to yellowing in outdoor application.
- Moderate adhesion on fresh, alkaline building materials (e.g. concrete bricks, concrete).
- Once hardened. The CS MASTIC can no longer be removed by solvents. Removal is only possible mechanically or by high temperature (>200°C).
- Being worked properly, the hardened CS MASTIC and CS MASTIC L is generally not injurious to health.

TECHNICAL INFORMATION

1. Density

CS MASTIC	1.10 to 1.15 g/cc
CS MASTIC L	1.10 to 1.15 g/cc

1. (A) Working Time at 20°C:

	CS MASTIC L	CS MASTIC
1% of hardener	12 to 16 min.	16 to 20 min
2% of Hardener	10 to 14 min.	10 to 12 min.
3% of Hardener	5 to 8 min.	6 to 8 min.
4% of Hardener	3 to 5 min.	3 to 5 min.

MECHANICAL PROPERTIES

- Tensile Strength: 55 – 65 Mpa
- Bending Strength: 75 – 85 Mpa

Shelf life 1 year approx.

(If stored in tightly closed container and free from frost)

Notice: The above information is based on the latest stage of our development and application technology. Due to a multiplicity of different influencing factors, this information – as well as other oral or written technical advises – must be considered as non-binding hints. The user is obliged in each particular case to conduct performance tests, including but limited to trails of the product, in an inconspicuous area or fabrication of a sample piece.

Disclaimer: The information on this datasheet should be treated as guideline for usage. Users are advised to under take a trial for product suitability prior to full scale usage.

Admin Office : Plot 4718, Phase IV, G.I.D.C., Vatva, Gujarat, INDIA - 382445 | CALL : +91 6354916400 | E : sales@chemstone.in | www.chemstone.in

Factory : Jivrajpura Road, Wanthvali, Mehmedabad, Kheda, Gujarat, INDIA - 387130 | Call : +91 9574009902 | E : info@chemstone.in