

# CS TRANSPARENT SOFT & TRANSPARENT LIQUID



**CHARACTERISTICS:**

CS TRANSPARENT SOFT (knife-grade) and 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 TRANSPARENT SOFT 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 TRANSPARENT LIQUID 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 Clearsoft.
- 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 TRANSPARENT SOFT and CS TRANSPARENT LIQUID 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 TRANSPARENT SOFT and LIQUID 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 TRANSPARENT SOFT can no longer be removed by solvents. Removal is only possible mechanically or by high temperature (>200°C).
- Being worked properly, the hardened CS TRANSPARENT SOFT and LIQUID is generally not injurious to health.

**TECHNICAL DATA1. DENSITY**

TRANSPARENT SOFT	1.50 to 1.70 g/cc
TRANSPARENT LIQUID	1.10 to 1.15 g/cc

**1. (A) Working Time at 20°C:**

	TRANSPARENT LIQUID	TRANSPARENT SOFT
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)