

# COMPOTOOL CTS202 Stage 2 Sealer Technical Datasheet

The COMPOTOOL CTS202 Sealer is used in combination with COMPOTOOL CTS101 Stage 1 Sealer that results in a very high temperature resistant, thermally stable finish that is smooth and glossy.

COMPOTOOL CTS202 Sealer is a high solids moisture cure system in a hydrocarbon/alcohol solvent blend that gives a high gloss finish to the surface.

COMPOTOOL CTS202 Sealer is applied by a wipe-on or spray-on technique; there is no need for rubbing or polishing.

## Key Features:

- High temperature resistance
- Easy and quick application
- Non-contaminating
- Durable surface



## Technical Information:

Properties	CTS202 Stage 2 Sealer
Appearance	Clear liquid
Odour	Hydrocarbon/ketone
Flash Point	10°C (50°F)
Solvents	Xylene
Estimated Coverage Mixed	20m <sup>2</sup> per litre (200 ft <sup>2</sup> per US Quart)
Dry Film Thickness	Negligible
Shelf Life	Up to 6 months
Maximum Use Temperature	250°C (480°F)
Supply	1L (1 US Quart) Containers

## Storage:

- Keep sealed when not in use
- Keep away from sources of ignition
- Store in a cool dry place and protected from frost

## Board Preparation:

1. With a clean soft cloth gently wipe any dust off the surface. Dust on the surface will show through on your finished part. Make sure the surface is dry and clean from any contamination. You can wipe the surface with a wax and grease cleaner before applying the COMPOTOOL CTS202 Sealer.

## CTS202 Sealer – Wipe on Application:

1. Apply COMPOTOOL CTS202 Sealer with a clean, dry cloth. Fold the cloth so that a smooth, flat surface is presented to the mould surface. Change the cloth if it becomes dirty.
2. Wipe the wet cloth over mould surface covering an area of approximately 0.1 m<sup>2</sup> (1 ft<sup>2</sup>). Vigorous rubbing or polishing is not required. Frequently re-wet the cloth. NOTE: the first coat may soak into the board but subsequent coats will remain visible on the surface.

3. Repeat steps 1-3 building up the coating. After 2 or 3 coats the board will start to develop a gloss finish. Ensure each coat is dry/cure before applying the following coat.
4. OPTIONAL: After 4 coats allow to dry for 20 minutes and then lightly sand (1000 grade paper or higher) to remove any remaining surface roughness such as dust etc.
5. Apply 1 or 2 final coats following steps 1-3.
6. Allow sealer to cure for at least 2 hours at room temperature or 20 minutes at 60°C/140°F (allow sufficient time for the board surface to reach temperature).
7. Apply COMPOTOOL CTR404 Release Agent. (See COMPOTOOL CTS404 Release Technical Data Sheet for more details).

### **CTS 202 Sealer – Spray on Application:**

1. A gravity feed top coat spray gun will give the best drying pattern and highest gloss finish while providing optimum transfer efficiency. We recommend a 1.3mm (0.078 inches) nozzle set up and approximately 1.5 bar pressure (22psi).
2. Hold the nozzle of the gun approximately 200mm (8 inches) from the mould surface and adjust the output to form a wet film without running or dripping (especially on vertical surfaces). Coat the entire surface of the mould overlapping sprayed areas to ensure full coverage. Allow the Sealer to dry for 10 minutes at 20°C (68°F) before applying the next coat.
3. Repeat Steps 1-2 (typically 2 or 3 coats), again allowing each to dry for 10 minutes at 20°C (68°F) between coats.
4. OPTIONAL: After 2 or 3 coats allow to dry for 20 minutes at 20°C (68°F) and then lightly sand (800 grade paper or higher) to remove any remaining surface roughness such as dust etc.
5. Apply 1 or 2 final coats following steps 1-3.
6. Allow sealer to cure for at least 2 hours at room temperature or 20 minutes at 60°C/140°F (allow sufficient time for the board surface to reach temperature).
7. Apply COMPOTOOL CTS404 Release Agent. (See COMPOTOOL CTS404 Release Technical Data Sheet for more details).

### **Notes**

1. Application of COMPOTOOL products should be performed in a well-ventilated area. The COMPOTOOL board must be clean and dry before use.
2. COMPOTOOL CTS202 Sealer is sensitive to variations in application technique and thickness. It is important that the user carries out their own test and trials to determine how many coats are required for desired surface finish and application technique. Mould configuration, room temperature and humidity will influence the cure time from that detailed above.
3. COMPOTOOL CTS202 Sealer must be used in conjunction with COMPOTOOL CTS404 Release to seal the micro-pores and give a good release.

### **Health and Safety:**

**FOR INDUSTRIAL OR PROFESSIONAL USE ONLY.**

**DO NOT HANDLE UNTIL PRECAUTIONS ON THE SAFETY DATASHEET HAS BEEN CAREFULLY READ AND UNDERSTOOD.**

**FOR ADDITIONAL ENVIRONMENTAL, HEALTH AND SAFETY INFORMATION REFER TO SAFETY DATASHEET.**

**BY ACCEPTING THE GOODS SUPPLIED BY COMPOTOOL SELLER AND BUYER AGREE TO THE FOLLOWING LIMITED WARRANTY AND REMEDIES LIMITATIONS:**

COMPOTOOL warrants that goods sold will be merchantable. If goods are defective, Buyer may return them at Buyer's cost to COMPOTOOL within 12 months of purchase for a full refund of the purchase price. Excluding CTS 202 Stage 2 Sealer. Other than this limited warranty, there are no express or implied warranties. There is no warranty as to fitness for a particular use. COMPOTOOL recommends that The Buyer shall take all recommended safety precautions while working with the goods. COMPOTOOL and Buyer agree that other than return of the purchase price COMPOTOOL will not be liable for any damages, consequential damages or incidental damages. When handling this product prolonged skin contact may lead to skin irritation and airborne dust can be released. It is recommended that suitable gloves, respiratory and eye protection equipment are used when handling. When sanding and machining use appropriate dust extraction and work in a well-ventilated area.

All information contained in this datasheet is given in good faith and based on tests believed to be reliable. COMPOTOOL Ltd. makes no warranty of fitness for a particular use. It is the responsibility of the user to determine the suitability of the products for their intended use and to assume all risk and liability in connection with their use. This information will be periodically reviewed and may be subject to modification.