

# COMPOTOOL CTD003 Densifier Technical Datasheet

The COMPOTOOL CTD003 Densifier is a two component solvent based product. It penetrates into the surface densifying the Compotool board strengthening the surface. COMPOTOOL CTD003 Densifier is used as a pre-application to adhesive bonding and before surface sealing.

## Key Features:

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



## Technical Information:

Properties	CTD003 Densifier Part A	CTH903 Densifier Hardener Part B
Appearance	Clear liquid	Clear liquid
Odour	Faint	
Flash Point	10°C (50°F)	
Solvents	Methyl Ethyl Ketone	
Estimated Coverage Mixed	0.5m <sup>2</sup> per litre (5 ft <sup>2</sup> per US Quart)	
Dry Film Thickness	None	
Shelf Life	12 Months	
Maximum Use Temperature	250°C (480°F)	
Supply	2L (2US Quarts) Kit (2 x 1L ( 1US Quarts) Containers)	
Mixing Ratio by Weight	1 to 1 (Example i.e 1kg or 2.2lb of Part A with 1kg or 2.2lb of Part B by weight)	

## Storage:

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

## Process:

1. With a clean soft cloth gently wipe the excess dust off the surface. Small amounts of dust on the surface will not affect the adhesion of the COMPOTOOL CTD003 Densifier. We do not recommend blowing the surface with compressed air as it will pit the surface. It is not necessary to wipe the surface with any type of cleaner before applying the COMPOTOOL CTD003 Densifier.
2. Thoroughly shake each component of the COMPOTOOL CTD003 Densifier before opening. Combine the two components 1 to 1 by weight and mix thoroughly.
3. After mixing Part A and Part B together thoroughly, the COMPOTOOL CTD003 Densifier is ready to be applied.
4. Generously wet your applicator (we recommend using a foam brush or foam roller for fast generous application) and evenly apply it over the complete surface. The coats will be quickly absorbed into the board. Apply 9 to 10 coats wet on wet.

5. Allow to dry at room temperature (20°C/68°F) for 12 hrs. Elevated temperatures will reduce time. 80°C/176°F for 1 hr. 150°C/300°F for 30 mins. Do not exceed 150°C/300°F at this stage.
6. Prior to applying sealer, it is recommended to give the dry densifier a scuff with Scotch-Brite to dull the surface.

## 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 CTD003 Densifier 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 CTD003 Densifier must be used in conjunction with CTA505 Adhesive, CTS101 Sealer, CTS202 Sealer and 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.