



Caberfix T&G

Product Data Sheet

Application details and Health and Safety Data

Product Code: Caberfix T&G D3 Water Resistant Adhesive

1. Applications

Caberfix T&G® is a powerful, fast setting PVA D3 glue for sealing and fixing Norbord Caberdek and other Norbord tongue and groove flooring products. T&G is water resistant and forms a strong, hard and rigid glue line.

Conforms to BS EN204/205, D3 and BBA Ponds Test

2. Features & Benefits

- Superior properties to standard PVA glues
- Fast setting
- One component. Needs no mixing.
- No need for fillers.
- Strong and Rigid Bond.
- Excellent water resistance.
- Conforms to BS EN204/205 D3 and BS 476 part 6

3. Colours and Packaging

Colour: White, Opaque when dry
1 Kilogram in boxes of 12

4. Preparation

Assembly

For best results, clean all surfaces (external and internal) and ensure they are free from dust and grease. Cut the application nozzle with sharp safety knife and apply a sufficient amount of adhesive to form a slight squeeze-out of adhesive, when the T&G is joined together.

For Clean-up

Uncured adhesive can be cleaned with damp cloth.
Cured product can be removed with a scraper.

5. Technical Information

Technical Information		Caberfix T&G D3 Water Resistant PVA Adhesive
Basis		Poly Vinyl Acetate-dispersion
Consistency		Flowable Liquid
Application temperature		8°C+30°C
Density		1,08
Setting speed	20°C	Approx 20 minutes
Curing after 24hrs	20°C	90%
Water resistance		BS EN 204/205 D3
Shelf life stored between +5°C /+25°C	%	10 Months
Paintable after curing	width	yes
Heat resistance	=	Meet requirements of BS 476 Part 6
Water resistance	Immersion	2hrs
E-modulus at 100%	4-8mm	
Storage conditions		10°C to 30°C
Protect from frost		
Labelling according to regulations	None	
For dangerous goods	None	
Handling Precautions		See exposure point 14

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6. Limitations

Avoid exposure to high levels of chlorine. Avoid contact with alcohol and other solvent cleaners during curing process. Do not apply in the presence of curing silicone sealants. Sealant may bubble if applied in a high moisture vapour environment.

7. Liability

Statements and recommendations made herein are based on tests believed to be reliable. However, no guarantee of their accuracy or completeness is made. Unless otherwise provided in written contracts, the product is sold without warranties or conditions expressed or implied. Purchasers must conduct their own tests to determine the suitability of our product for their particular purpose.

8. Physical & Chemical Properties

Chemical characterization (preparation)

Self-inflammability:	Product is not self igniting.
Danger of explosion:	Product is not explosive.
Vapour pressure at 20°C:	23 hPa (DIN 51640)
Density at 20°C	1.06 g/cm (DIN 51757)
Solubility in / Miscibility with Water:	Fully miscible
PH-value at 20°C	3-4 (DIN 53785)
Viscosity: dynamic at 20°C:	12,000 mPas (DIN 51550) (approx.)
Solvent content:	
Organic solvents:	1.1%
Water:	50.0% +- 2%
Solids content:	50.0% +- 2% (DIN 53189)

9. Hazards Identification

Hazard designation: void
Information pertaining to particular dangers for man and environment The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. Contains isocyanates. See information supplied by the manufacturer
Classification system The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

10. First Aid Measures

After inhalation: Supply fresh air; consult doctor in case of symptoms.
After skin contact: Instantly wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor
After swallowing: Do not induce vomiting; instantly call for medical help.

11. Fire Fighting Measures

Product name: Norbord Caberfix T&G® D3 Adhesive
Suitable extinguishing agents:

- CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents:

- Water with a full water jet.

Special hazards caused by the material, its products of combustion or resulting gases:

- Formation of toxic gases is possible during heating or in case of fire.

Protective equipment:

- Wear self-contained breathing apparatus.

Additional information:

- Cool endangered containers with water spray jet.
- Collect contaminated fire fighting water separately. It must not enter drains.
- Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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12. Accidental Release Measures**Person-related safety precautions:**

- Ensure adequate ventilation

Measures for environmental protection:

- Do not allow to enter drainage system, surface or ground water.
- Dilute with water.

Measures for cleaning/collecting:

- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Send for recovery or disposal in suitable containers.

Additional information:

- See point 8 for information on personal protection equipment.
- See point 13 for information on disposal.

13. Handling and Storage**HANDLING****Information for safe handling:**

- Keep containers tightly sealed.

Information about protection against explosions and fires:

- No special measures required.

STORAGE**Requirements to be met by storerooms and containers:**

- Prevent any penetration into the ground.

Information about storage in one common storage facility:

- Not required.

Further information about storage conditions:

- Protect from frost.
- Store in cool, dry conditions in well sealed containers.
- Store in a dry, well ventilated area, between +5 and +25°C and place away from sources of heat and direct sunlight.
- Keep away from oxidising agent, from strongly acid materials as well as amines, alcohol and water. No smoking.
- Prevent unauthorised access. Containers which are opened must be carefully resealed.

14. Exposure Controls/Personal Protection**Additional information about design of technical systems:**

- No further data; see item 7.

Components with limit values that require monitoring at the workplace:

- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

- The lists that were valid during the compilation were used as basis.

Personal protective equipment General protective and hygienic measures:

- The usual precautionary measures should be adhered to general rules for handling chemicals.
- Keep away from foodstuffs, beverages and food.
- Wash hands during breaks and at the end of the work.

Breathing equipment:

- Not necessary if room is well-ventilated.

Protection of hands:

- Protective gloves.

Material of gloves:

- Nitrile rubber, NBR
- Recommended thickness of material: > 0.35 mm

Penetration time of glove material

- Value for the permeation: Level > 6
- The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

Eye protection:

- Tightly sealed safety glasses.

Body protection:

- Protective work clothing.

15. Physical and Chemical Properties

Physical state :	Liquid
Flash point :	100°C (DIN 53171)
Colour :	White, Opaque when dry
Solubility in water :	Fully miscible
Odour :	
Solubility in organic solvents :	Partly
Density :	1.08g/ml
VOC contents :	7 to 8 % weight

16. Stability and Reactivity

The preparation is stable under recommended storage and handling conditions (see point 15).

Hazardous decomposition products: During polymerisation:

CO₂, which in closed containers can result in pressurisation. In case of fire: isocyanates, carbon monoxide and dioxide, smoke, nitrogen oxides, hydrogen chloride, hydrogen cyanide, sulphur dioxide.

17. Toxicological Information**Acute toxicity:****Primary irritant effect:**

On the skin: No irritant effect

On the eye: No irritant effect

Sensitisation: No sensitising effect known

Additional toxicological information:

- The product is not subject to classification according to the calculation method of the general EC Classification.
- Guidelines for Preparations as issued in the latest version.

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18. Ecological Information

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive (1999/45/EC) and classified for ecotoxicological hazards accordingly.

The product should not be allowed to enter drains or water courses.

19. Disposal Considerations

Recommended Method of

Disposal: Disposal should be made in accordance with local and EU regulations.

US EPA Waste Number: 080409

20. Transportation Information

- Land transport ADR/RID (cross-border)
- ADR/RID-GGVSE Class:-
- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

21. Regulatory Information

Designation according to EC guidelines:

- Observe the normal safety regulations when handling chemicals
- The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

National regulations**Technical instructions (air):**

Class	Share in %
Wasser	50-100
NK	1-5

Water hazard class:

- Water hazard class 1 (Self-assessment): slightly hazardous for water.

22. Other Information

Information contained herein is produced in good faith and is believed to be reliable, but is intended to serve as a guide only. Norbord Limited and its agents cannot assume liability or responsibility for their requirements and adopt such precautions as required for the protection of personnel and property in the handling and usage of Flowstrip Limited materials.

23. Contact Information

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This technical data sheet supersedes all previous information issued regarding the above product.