



TECHNICAL INFORMATION SHEET

WOOD FILLER

DESCRIPTION

WOOD FILLER is a high quality, two-part, polyester woodfiller, offering the user the benefits of a fast-cure system, easy application and exceptional performance.

Once cured, WOOD FILLER can be machined, drilled, and accepts nails, screws and staples. WOOD FILLER can be finished with most primers, paints and lacquers. WOOD FILLER is suitable for internal and external use.

PREPARATION

Prior to application, all surfaces should be clean, dry, sound and free from oil or grease. On old timber, any rotten or weak areas should be cut back to solid timber. Any smooth areas should be slightly abraded to ensure a good key is obtained.

MIXING

To mix WOOD FILLER, simply add Speedset hardener to the pre-coloured paste on a suitable board. Mixing should be carried out by spatula or stiff knife until a smooth, even coloured mix is obtained. Ensure that the filler is scraped clear of the mixing board at least once. This ensures that all the filler is mixed with the Speedset and no uncured material will therefore be used.

WOOD FILLER should be mixed in the proportion of 50 parts base to 1 part Speedset (a golf ball volume of WOOD FILLER to a 1.5 inch strip of Speedset).

As WOOD FILLER is a fast-curing filler, it is recommended that only small quantities are mixed at a time – enough to be applied within 5 minutes of mixing.

APPLICATION

Apply WOOD FILLER using a putty knife, spatula or similar direct to the area of timber to be repaired. Shape the WOOD FILLER as required with a spreader or flat former. Leave enough excess proud of the surface to allow for sanding. For deep filling, it may be necessary to build the WOOD FILLER up in layers. Plastic shuttering may also be used to produce a smooth, straight edge but only remove when the filler has cured. Allow to cure before finishing.

TECHNICAL DATA

Appearance	Smooth coloured paste
Mixing ratio	50 parts base to 1 part activator
Working life	6-8 minutes at 15°C 15-20 minutes at 5°C
Cure time	15-20 minutes at 15°C 30-40 minutes at 5°C

Specific Gravity	1.70
Tensile Strength (ASTM 638)	13.2 N/mm ²
E Modulus	13228 N/mm ²
Compressive Strength (ASTM 695)	46.0 N/mm ²
Flexural Strength (ASTM 790)	30.12 N/mm ²
Flexural Modulus	5896 N/mm ²
Heat Distortion Temperature	42°C (ASTM D648-56)
Shear Adhesion to Wood	Greater than the cohesive strength of the wood
Colour Range	12 standard colours

Certain cellulose based thinners used in varnishes and stains and acid catalysed lacquers may cause fading of the final colour within a few weeks. It is recommended that trials are conducted prior to full-scale production.

IMPORTANT

The information and data given is based on our own experience, research and testing and is believed to be reliable and accurate. However, as we cannot know the varied uses to which the products may be applied, or the methods of application used, no warranty as to the fitness or suitability of the products is given or implied. It is the user's responsibility to determine suitability of use. For further information, please contact our Technical Department.

HEALTH & SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product name: WOODFILLER
Company: Construction Chemicals (UK) Ltd
75 Town Green Street
Rothley. Leicester LE7 7NW
Tel: 0116 2301955
Fax: 0116 2301944

2. COMPOSITION/INFORMATION OF INGREDIENTS

Hazardous Components:	CAS No:	Percentage
Styrene	100-42-5	<12.4%

3. HAZARDS IDENTIFICATION

Flammable, irritant vapour, marine pollution.

Signs and symptoms of exposure (acute effects). Irritant of skin, eyes and respiratory tract.

Signs and symptoms of exposure (possible long term effects). Can cause skin disorders with repeated prolonged exposure. Inhalation of vapour can cause nausea and headaches.

4. FIRST AID MEASURES

Eye: Irritation with clean water for at least 15 minutes. Seek medical attention.
Skin: Remove from skin with plenty of soap and water. Remove contaminated clothing. If irritation persists, seek medical attention.
Ingestion: Drink plenty of water. Seek medical attention. DO NOT INDUCE VOMITING.
Inhalation: Move patient to fresh air and allow to rest. If patient is slow to recover or unconscious, obtain medical assistance immediately.

5. FIRE FIGHTING MEASURES

Extinguishing media: Dry powder CO2 and Foam
Exposure hazards: Flammable. Sealed containers heated can pressurise leading to explosion. Emits acrid black smoke and irritating fumes when heated to decomposition.

6. ACCIDENTAL RELEASE MEASURES

Do not discharge into sewers. Scrape up and place into a suitable container for disposal. Wash area with water.

7. HANDLING AND STORAGE

Keep away from heat and sources of ignition. Store below 25°C in a dry well ventilated space. Store separately from peroxides.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits.	Long term:	100ppm	UK
	Short term:	10 mins 250 ppm	UK
Respiratory:	If forced air extraction is not available in enclosed areas an organic vapour mask will be required if the occupational exposure limit is exceeded.		
Ingestion:	Unlikely during normal use.		
Skin protection:	Wear gloves at all times.		
Eye protection:	Not normally required during normal use. If splashing can occur, goggles should be worn.		

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Thick coloured paste
Odour:	Styrene
Viscosity:	n/a
Specific gravity:	1.70g/cm at 20°C
Boiling point/ boiling point range:	n/a
Melting point/ melting point range:	n/a
Flashpoint (°C):	31°C
Flammability:	Flammable
Autoflammability:	490°C
Explosive properties:	Lower limit 1.1%. Upper limit 6.1%
Oxidising properties:	None
Vapour pressure:	6.52mb at 20°C (styrene)
Solubility:	Insoluble in water
pH:	n/a
Partition coefficient:	n/a
Di-electric strenght:	n/a

10. STABILITY AND REACTIVITY

Stability:	Can polymerise (solidify) exothermically if heated, exposed to air, sunlight or by addition to free radical initiators. Stable under normal condition.
Material to avoid:	Reacts vigorously with strong oxidising agents and peroxides.
Hazardous decomposition:	Emits acrid smoke and irritating fumes when heated to decomposition.
Hazardous polymerisations:	Polymerisations in a closed container can give rise to pressure, which may rupture the vessel.

11. TOXICOLOGICAL INFORMATION

Oral:	Material is classed as an irritant. LD(rat) is 5g/kg for styrene. LC (rat) ranges between 2770-6000ppm.
Inhalation:	Lung irritant can induce drowsiness and eventually unconsciousness.
Eye:	Severe irritant.
Skin:	Modest irritant.

12. ECOLOGICAL INFORMATION

Marine pollution. Do not discharge into drains or the environment.

13. DISPOSAL RECOMMENDATIONS

In an uncured state, place in a suitable container and dispose as chemical waste in accordance with local regulations. Small quantities may be reacted with corresponding amount of activator. Allow to cure and dispose as solid water.

14. TRANSPORT INFORMATION

Supply label:	Irritant	Marine pollution	Flammable
	IMDG code	3379	UN No/SI No 1866
	EAC	3 (Y)	Hazard class 3
	ADR HIN	30	Packaging group III

15. REGULATORY INFORMATION

Labelling:	Irritant, Flammable, Marine pollution.		
	Risk phrases	(R10) (R36/38)	Flammable Irritating to skin and eyes.
	Safety phrases	(S2) (S23) (S28)	Keep out of reach of children Do not breathe vapour After contact with skin, wash immediately with plenty of soap and water.

16. OTHER INFORMATION

The data contained in this Safety Data Sheet has been supplied as required by the Chemicals (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.