

SHF-Pro User Instructions

The Next Generation Railway Timber and Composite Filler



Safety First:

Wear appropriate PPE: gloves, safety glasses at all times when handling open cartridges or liquid material.

If material comes into contact with skin wash off with plenty of soap and water.

If irritation persists or a rash appears seek medical advice.

Setup:

SHF-Pro is supplied in dual 200ml cartridges with static mixing nozzle for release via either a manual or electric applicator. (Total 400ml)

Product Description

Purpose:

To extend the service life of railway timber and composite sleepers, SHF-Pro enables effective remediation of pre-existing drill holes in components already installed within the rail network. During maintenance, existing screws can be removed, the holes filled with SHF-Pro and then re-drilled and re-screwed to securely accommodate chairscrews or rail anchors.

Application Areas:

Re-screwing of filled holes in wooden railway sleepers & timbers.

Sealing cracks, voids, and crevices within railway sleepers & timbers.

Ease of Use:

No pre-mixing is required – it is prepared in pre-measured cartridges for easy dispensing.

Durability & Environmental Resistance:

Moisture Sealing - bonds tightly to wood, removing air pockets and sealing out water, preventing degradation.

Ideal Temperature Range - application from 0°C to 50°C.

Storage and Shelf Life:

Shelf life of 2 years from date of manufacture. No need to turn or rotate product periodically – does not separate in storage.

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Application Process

Cartridges:

1. Insert cartridge into dispensing gun with the label facing towards you.
2. Attach static mixer nozzle.
3. Purge - dispense a small amount to ensure both components flow evenly.

Inject Material:

1. Insert nozzle into spike hole.
2. Fill each hole, slowly removing nozzle as you dispense from the bottom upwards.

Curing and Finishing:

1. Set Time: 20 minutes (depending on ambient temperature).
2. Once fully cured, the hole can be drilled as a new timber.

Clean up:

1. Clean tools immediately after use.
2. Dispose of empty cartridges and waste material as per local regulations.

Note – If the entire contents of the cartridge are not dispensed, leave the nozzle attached. The mixture inside the nozzle will cure and become unusable.

To continue using the remaining material in the cartridge, simply replace the used nozzle with a new one and repeat the purging process to ensure proper mixing. The product can then be used as above.