

TECHNICAL DATA SHEET 技术资料

FULAFILL™ SWIFT MULTIPURPOSE BUILDING FILLER

FulaFill™ Swift Multipurpose Building Filler is an easy to mix, apply and soft sanding two-part polyester filler designed to re-instate and fill gaps, cracks, holes and other forms of damage and imperfections in most common building materials surfaces where movement is not expected. Once cured, FulaFill™ Swift Building Filler can be painted, sanded, chiselled, planed, filed, nailed, screwed and routed.

Key Benefits

- Fills gaps, cracks, holes and other forms of damage and imperfection in most common building materials
- Will not shrink or slump
- Easy to mix and apply.
- Working time up to 15 mins.
- Easy to sand and paint over
- Ready to sand in 40 mins.
- Interior/exterior (if protected)

Uses

- Filling & repairing holes, cracks and gaps in a range of substrates.
- Filling timber cavities, architraves and doors, window frames and sashes,
- Filling pre-primed, metal surfaces
- Repairing holes in fiberglass,
- Repairing concrete and masonry.
- and many more applications

Compatible Substrates

Timber	Plasterboard
MDF Board	Fibreglass
Particleboard	Ceramics
Masonry	Concrete
FC Sheet	Brick
Metals (pre-primed)	And more

Curing

Working time is as short as 3 minutes in warmer conditions (>30°C) and up to 8 minutes in cooler conditions (<15°C). For faster cure, slightly more hardener can be added. For longer working time, add slightly less hardener than recommended. Based on recommended mixing ratios, the Building Filler cures in about 30 minutes to a state that can be sanded and fully cured within a few hours.

Mix Ratio (By Weight)

The standard mixing ratio is:
Body Filler: 100
Hardener: 2
Stir thoroughly until a homogenous paste is achieved. Be careful not to create air inclusions.

Hardening Time

Approximately 30-40 mins @ 20°C
Temperatures below 20°C significantly increase the hardening time.

Layer Thickness

For optimum results, the filler should not exceed 5mm per layer. Cure & sand back between layers for thicker applications.

Sanding:

Coarse (Dry): sandpaper grades: P80 - P120.
Finishing (Dry): sandpaper grades: P120 - P240.

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Surface Preparation
All surfaces must be clean, dry, and free of dust, oil or contamination. Clean metals with mineral turpentine or white spirits and wipe clean. Adhesion to metals can be further improved by light sanding.

Application
Using a spatula, remove the required amount of Building Filler resin from the can and replace lid on Filler. It is recommended to only mix an amount that can be used within a mixed pot life of 5-6 minutes.
Use a flat board or the inside of the lid as a mixing tray and add appropriate amount of Building Filler Hardener to the resin (the standard mix is 50 parts filler to 1 part hardener or 100:2 by weight).
Mix together using a spatula until the hardener is mixed thoroughly and colour is even. Note: adding extra hardener will quicken the cure rate and reduce working time. Too much hardener can cause bleaching in topcoats or substrates. The pot-life and workability of the mixed product will be around 5-6 minutes.
Apply the filler using a spatula and work out any air pockets. Tool to the desired shape, slightly over-filling to allow for sanding.
The maximum recommended thickness for filling at one time is 5mm thickness.
Once the surface is tack-free (around 15 to 20 minutes) the surface can be levelled with a fine plane or file. When the Filler has cured further, after around 30-40 minutes, the surface can be sanded. If the sandpaper clogs, allow a few extra minutes for the filler to cure further before resuming sanding.
When Painting, the Filler can be top coated with most types of quality paint. FulaFill™ Swift Multipurpose Building Filler can be primed with 2k Acrylic & Epoxy primers, and some oil based primers. If unsure, consult H.B. Fuller customer service for advice.
Ensure surface is free of dust prior to painting.
Clean equipment immediately after use.

Additional Material Surface Preparation
FulaFill™ Swift Multipurpose Building Filler offers very good adhesion to various types of woods and wood-based materials such as plywood, OSB, and chipboard. Timber & wood must be dry and clean from impurities when applying filler (including after preparatory sanding and degreasing).

Types of wood which offer difficult adhesion (including fir, larch, conifers, exotic trees, birch, teak, rosewood, oak and chestnut) may require the surface to be wiped with a suitable solvent or overcoated with a 2-component insulating primer (epoxy or polyurethane). The applied primer should be sanded and degreased before filling.

FulaFill™ Swift Multipurpose Building Filler can be used on galvanised steel after sanding and degreasing.

FulaFill™ Swift Multipurpose Building Filler can be used on sanded glass fibre laminates (GFK/GRP), polyester body fillers, acrylic and epoxy primers and existing coatings in sound condition.

Clean Up
Areas where Building Filler is not required should be masked. Uncured product may be cleaned up with acetone. Once cured, the product can only be removed mechanically, and this is best achieved by sanding away any unwanted product.

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Shelf Life
When stored unopened between 10°C - 30°C, FulaFill™ Swift Multipurpose Building Filler will remain useable for approximately 12-18 months from date of manufacture.

Cautions & Limitations:
- Do not apply body fillers directly onto reactive primers, 1K acrylic and nitrocellulose products.
- Excessive amounts of hardener can cause problems with bleaching of the topcoat.
- When working with 2K products, it is recommended to use personal protection equipment Protecting the eyes and respiratory system.
- Building Filler can absorb moisture overtime; therefore it is important to paint over FulaFill™Swift Multipurpose Building Filler in exterior applications to avoid swelling, UV breakdown and potential delamination from an exposed surface.
- If Building Filler is used to fill over nail heads (including pre-primed nail heads), there is the possibility that moisture absorption through the coating system can penetrate through to the nail head, resulting in corrosion and delamination of Building Filler from the nail head.
- Weatherboards and their associated fixing systems can flex and move over time and may require a filler with more movement.

Safety Information
A Material Safety Data Sheet is available from the H.B. Fuller representative in your state, H.B. Fuller Australia customer service, or downloadable from the H.B. Fuller web site: www.hbfuller.com.au.

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