



TECHNICAL & PRODUCT INFORMATION

END-GRAIN SEALER

A purpose formulated sealer for sawn end-grain timbers where the potential ingress of moisture will lead to dimensional instability of the timber. SHIELD SEAL is a highly effective sealer and water repellent which maintains a high degree of microporosity allowing entrapped moisture to escape.

CHARACTERISTICS

- High solids
- High wax Content
- Low odour
- High viscosity, brush applied
- Penetrative
- Fungicidal protection

PROPERTIES

Solids: 38% +/- 2%

Viscosity: Highly viscous > 10.0 poise.
Brushable

FLASHPOINT: Waterborne
NON FLAMMABLE

Drying times: 15-45 minutes depending on
timber, temperature and
humidity.

USES

SHIELD SEAL is specially developed as a water/ moisture barrier coat for end-grain application. SHIELD SEAL may also be applied to areas where a high degree of moisture sealing is required.

APPLICATION

SHIELD SEAL is a brushable coating treatment primarily intended for use on sawn end-grain timbers but effectively be used in all areas of potential water/moisture ingress. Apply SHIELD SEAL by brush to the end grain, working the brush to ensure sufficient coating penetrates open grain structure. In such cases where exposed end grain is of "closed" grain, simple brushing onto the surface is adequate.

SHIELD SEAL is a single coat process under normal conditions. However where **excessive** exposure to water/moisture prevails, a second coat is recommended. Always ensure that end-grains are free from lubricating oils and grease and dry wherever possible.

COMPATIBILITY

Shield Seal is Resin/Wax sealer. The wax system migrates to the surface to provide a highly resistant barrier against moisture/water. Should top coats be intended to be applied to SHIELD SEAL they must be applied within 48 hours of SHIELD SEAL being applied, or alternatively, the dried surface of SHIELD SEAL must be wiped with a white spirit dampened cloth to remove surface wax. Allow white spirit to evaporate and then apply top coat in the normal manner. Top coats must be solvent or Shield Coatings AQUASHIELD waterborne systems.

ADHESIVES

Due to the nature of SHIELD SEAL it will always be difficult to achieve timber destructive bonds when applying traditional water resistant B3 grade PVA adhesives to the surface treated with SHIELD SEAL. Gluing and pinning into rebated timber will provide secure fixing and additional water/moisture protection due to the PVA layer. Further dimensional stability will also be achieved by gluing and pinning into rebated sections particularly in the construction of doors and window sections for doors.

VACUUM TREATED SOFTWOODS

SHIELD SEAL's special resins enable the treatment of preservative vacuum treated timbers to be carried out. Entrapped solvent (White Spirit) which permeates which permeates through the timber on drying and evaporation has no ill effect on SHIELD SEAL. However, it is strongly recommended that every effort be taken to **dry** all timbers prior to application of SHIELD SEAL.

COLOURS/SIZE

Shield Seal is supplied as standard 1 litre and 2.5 litre. Brown mahogany 08, mahogany 280, medium oak 050, light oak 040, teak 070. Other colours to order. Min order 10 litres.

This data sheet provides product data, advice and guidance only. It does not constitute a specification.