



BRUSH-ON END GRAIN PRESERVATIVE



FOR THE BRUSH-ON RE-TREATMENT OF CROSS-CUT, NOTCHED OR DRILLED PRESSURE TREATED TIMBER

Hickson Decor End Grain Preservative is a waterbased, end grain preservative based on copper triazole technology and is specifically designed for the re-treatment of cross-cut, notched or drilled areas of pressure treated timber, such as Tanalised[®] Timber.

- Hickson Decor End Grain Preservative is a brush-on, end grain timber preservative for the re-treatment of cross-cut, notched or drilled areas of pressure treated timber.
- Suitable for both green and brown pressure treated timber.
- Maintains the integrity of the pressure treated timber against fungal and insect attack.
- Easy to apply - swabbing areas exposed by cross-cutting, drilling or notching of the pressure treated timber.
- Available in 500ml and 5L can sizes.
- Supplied in sturdy, resealable metal 500ml cans.
- Approved by the Health and Safety Executive - H.S.E. 9031.

APPEARANCE

Hickson Decor End Grain Preservative has a blue colouration, but once applied to the timber will blend into the natural colouration of the treated timber.

USES

Whenever pressure treated timber is cross-cut, notched or drilled on-site, the exposed surfaces must be re-treated with **Hickson Decor End Grain Preservative** end-grain preservative to maintain the integrity of the protective system.

APPLICATION

Apply by brush directly. Stir well before and during use. Use undiluted, liberally swabbing areas exposed by crosscutting, holes or notches. Protect from extremes of temperature during storage and application.

NUMBER OF COATS

Two liberal coats. Allow time for absorption along the grain of the timber before applying the second coat.

BRUSH CLEANING

Remove as much product as possible from the brush before washing with water. Please do not pour un-used product or brush washings down the drain.

SAFETY NOTE

A material safety data sheet is available upon request at the contact details below. Always read the label. Use pesticides safely. (Contains copper carbonate, boric acid and propiconazole). Do not allow product to enter drains and watercourses.



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FURTHER INFORMATION

Read the following prior to use:

Hickson Decor - How to achieve the perfect longer lasting finish

Hickson Decor - Code of Practice

Hickson Decor End Grain Preservative Health & Safety Sheet

This is just one of a wide range of industrial wood coatings from Polyvine. Should you require any further information on this, or any other product within our range, simply contact us at the address below.



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EMERGENCY CONTACT

0208 762 8322

(Only use this number in
the event of a health or
environmental emergency)

www.hicksondecor.com

Polyvine updates its literature as and when necessary. Please ensure you have an up to date copy.

Whilst every attempt has been made to ensure the accuracy and reliability of the information contained in this document, Polyvine gives no undertaking to that effect and no responsibility can be accepted for reliance on this information.

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HOW TO ACHIEVE THE PERFECT LONGER LASTING FINISH

CODE OF PRACTICE

HICKSON[®] DECOR

PREPARATION OF SURFACE

To achieve good durability, a thorough surface preparation is essential. Ensure that the timber surface is clean, dry and is free from surface grease or contamination.

To retain the microporous properties of Hickson Decor finishes, application should be to either bare timber or over previous microporous finishes.

Previously painted surfaces in sound condition can be washed down with proprietary cleaner and rinsed thoroughly with plenty of clean water and allowed to dry. Water soluble dyes should be removed or sealed with an appropriate sealer prior to overcoating. A good key for overcoating must be provided by sanding in grain direction with a medium grade abrasive.

CLEANING

Remove surface dust, dirt, oils (Teak and Iroko etc), resins, latexes and gums with cellulose thinners, methylated or white spirit. Where rinsing of the surface is necessary with clean water, allow to dry before applying the finish.

EXTRACTIVES

Certain species such as Iroko, Tea etc, contain natural extractives which can retard the drying of the finish. Clean the surface of such timbers using a fast solvent, for example a cellulose thinner or methylated spirits, with a lint free cloth. Allow the surface to dry before coating. A test application is always advisable before commencing work.

When using pale shades of Hickson Decor Breather Paint in particular, a test application is recommended over all timbers to ensure no contamination from water soluble extractives.

APPLICATION ONTO PRESERVATIVE PRE-TREATED WOOD

New timber may have been preservative pre-treated to prevent attack by fungi and insects when in service. Products may be either waterborne or solvent based. Manufacturers' recommendations should be sought before any work is commenced.

WATERBORNE PRESERVATIVES – TIMBER TREATED WITH TANALITH OR VACSOL AQUA WOOD PRESERVATIVE

The moisture content of the timber should be reduced to less than 20% by air or kiln drying. Any surface deposits should be removed by brushing or washing and then redried.

For further information on Tanalith treated timber refer to Arch Timber Protection Code of Practice Number 1. For further information on Vacsol Aqua treated timber refer to Arch Timber Protection Code of Practice Number 30.

Tanalith imparts a green/brown coloration to timber which may affect the final colour, particularly light shades of Hickson Decor Wood Stain. It is advisable to 'test coat' a small area to establish final coloration.

ORGANIC SOLVENT BASED PRESERVATIVES – TIMBER TREATED WITH VACSOL AZURE WOOD PRESERVATIVE

It is important that sufficient solvent has evaporated from the substrate before coatings are applied.

For further information on Vacsol Azure treated timber refer to Arch Timber Protection Code of Practice Number 29.

APPLICATION ONTO TIMBER TREATED WITH FLAME RETARDANTS

Hickson Decor coatings are considered 'non-contributory' to flame spread and can therefore be applied to timber treated with flame retardant products such as Dricon or Non-Com Exterior.

The moisture content of the timber should be reduced to less than 20%, preferably by kiln drying. Any surface deposits should be removed by brushing.

For further information on Dricon and Non-Com Exterior treated timber refer to the relevant product data sheets available from Arch Timber Protection.



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PRESERVATIVE PRE-TREATMENT

When decorative finishes are to be applied to exterior timber containing sapwood, pre-treatment by a controlled impregnation process with a compatible, approved preservative such as Tanalith or Vacsol is strongly recommended.

END GRAIN

In exterior situations where end grain is likely to pick-up moisture (e.g. removal of horns on joinery or cross cutting of cladding and trim) two liberal brush coats of a suitable penetrating preservative such as Ensele or Vacsele should be applied prior to decoration. The end grain can be suitably sealed using several coats of the Hickson Decor product in use.

DRY TIMBER

Decorative finishes must not be applied to timber with a moisture content exceeding 20%. The presence of excess moisture at any time during the application of a coating is likely to lead to a lack of sheen, loss of adhesion and a shorter service life. On-site, prior to installation and application of the coating, adequate protection must be provided for timber or joinery to avoid weathering and moisture uptake. If dry and covered storage is not available, an acceptable alternative is to stack timber on bearers out of ground contact and cover with waterproof sheeting, allowing sufficient ventilation to prevent condensation.

FILLERS

Ensure small holes and gaps are filled with a flexible high performance filler and resanded if necessary. When using translucent wood stains use a filler approximating in colour to that of the substrate or to the final colour desired.

KNOTS

Discoloration of coatings, especially light colours, may occur over knots and resinous areas. Therefore the use of Shellac Knotting is recommended with Hickson Decor Breather Paint – Polar White and pale colours. The use of knotting is not guaranteed to eradicate resin exudation, but will help minimise its occurrence. Please refer to the relevant British Standards.

FIXINGS

Secret nailing or the use of non ferrous nails and fixings is recommended.

SANDING

Sand timber prior to coating to remove surface imperfections, dirt and loose material. Sanding between coats is not normally recommended, but if necessary it should be limited to a light 'denibbing'. Avoid 'oversanding' between coats as this removes protection. Care should be taken not to remove the finish from vulnerable areas such as sharp edges and corners. Use of wire wool is not recommended as this can lead to rust staining.

PUTTIES/MASTICS

Avoid the use of linseed oil putty and use bead glazing where possible. The use of Acrylic, Polysulphide or Polyurethane type of sealants, or 'Gasket' glazing tape on bead glazed windows is recommended, but the relevant product manufacturer should be consulted for advice. Silicone sealants should not be used if they have to be overpainted.

PROLONGED EXPOSED TIMBERS

Any bare timber or factory basecoated timber which has been exposed for more than three months should be thoroughly re-prepared before finishing.

DESIGN

The design of joinery can affect the performance of any finish. Minimise exposed endgrain. All sharp edges and arrises should be rounded to a minimum radius of 3 mm so that the required film thickness may be obtained over the edges during application.

Window joinery should have appropriate drip and water shedding profiles. All exposed endgrain should be liberally treated to saturation with the finish to reduce moisture uptake.

HOW TO ACHIEVE THE PERFECT LONGER LASTING FINISH

CODE OF PRACTICE

HICKSON[®] DECOR

THINNING OF FINISH

Should thinning of the contents be required, only good quality white spirit (for solvent or oil based) or clean water (for waterborne) to a maximum of 5% volume, should be used. For an initial primer coat, especially for waterborne finishes, then thinning should be no more than 15% by volume.

PRODUCT INTERMIXING

All Hickson Decor products are inter-mixable within each product range to produce intermediate colours. This is done at the discretion of the customer. It is not recommended to mix between product ranges, i.e. do not mix Hickson Decor Wood Stain with Hickson Decor Breather Paint. Do not mix any decorative products with products produced by another manufacturer.

APPLICATION OF THE FINISH

Do not leave cans open except during use. Protect cans and contents from frost. Do not apply in conditions of high humidity or where condensation is likely to occur within 24 hours. Application of the finish should not be carried out in temperatures of less than 5°C or during wet or damp weather. A good quality application can improve the durability of the finish.

Stir the contents thoroughly both before and frequently during application. Apply the finish in a flowing coat. Redistribute any excess product to achieve a uniform coloration and application, in accordance with the recognised wet film thickness. Generally, any 'patchiness' or uneven coloration is the result of a poor application or overbrushing. Failure to achieve an even film thickness can cause a patchy appearance when translucent coatings are used.

When coating new timber, apply one coat of the finish all round before fixing and treat any exposed endgrain to saturation by applying several coats, 'wet on wet'.

Ensure that the tops, bottoms and 'cut outs' of doors are thoroughly coated with the finish. Glazing beads and rebates should be coated all round with at least two coats before fixing ensure that the end grain is fully sealed.

Do not apply to ferrous metals or pipes which will be heated – radiators etc.

When waterborne products are used the application of a basecoat or primer is strongly recommended.

REDECORATION

A feature of microporous coatings is that they are resistant to flaking and blistering and their gradual erosion by abrasion is not unsightly. The rate is dependent upon exposure to weather.

Colour intensity may fade with time. This may be more noticeable with darker colours.

All surfaces should be cleaned, removing all traces of loose material such as dirt and dust.

Where translucent finishes are used, subsequent coats should be the same colour or darker; the shades are additive not obliterative.

When applied over previously painted or varnished areas the coatings should be totally removed exposing clean, sound surfaces for redecoration.

When the substrate is not returned to bare timber the microporous properties are lost if the previous coatings are not all microporous.

When non-microporous products are used over microporous products, the microporous properties are lost.

DRYING BETWEEN COATS

Allow at least 24 hours between coats. Warm, dry weather with good fresh air circulation will accelerate drying whereas cold, damp weather and badly ventilated areas will retard drying. Do not apply during adverse weather conditions. Do not recoat until perfectly dry.

RESIN EXUDATION

Resin exudation is a natural phenomenon which is unpredictable and difficult to prevent. Hickson Decor high performance decorative finishes are designed to allow the resin to permeate through the coating without affecting the integrity of the finish. Resin, when crystallised, should be removed using a scraper and the affected areas wiped clean with cellulose thinners prior to redecoration.



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PLYWOOD

When exposed to the weather plywood has a tendency to develop surface cracks or checks and these may adversely affect the performance of any decorative finish.

STORAGE

Full or part full cans should be stored tightly closed, undercover and protected from frost and excessive heat. Keep away from children and animals. Store at 5°C – 35°C.

COVERAGE

Coverage rates will be dependent upon the substrate and thickness applied. The rate will be reduced if the substrate is more absorbent.

WHEN WET OR 'TACKY'

Splashes onto masonry, brickwork, concrete and metal can be removed by swabbing with a cloth or scrubbing brush soaked in white spirit for solvent based products, taking care to follow manufacturers' instructions.

CLEANING OF EQUIPMENT

Clean all equipment including brushes, immediately after use with white spirit or similar solvent for solvent based products and water for waterborne products. Care should be taken when disposing of waste product.

WHEN DRY

Products, once dry, will need to be removed by physical means such as wire brushing, sanding or burning. Alternatively chemical paint stripper may be used. Follow manufacturers' instructions. Whichever method is used, consideration must be given to its effect on the substrate. Solvents should not be used to remove product from the skin.

COMPATIBILITY WITH VARIOUS MATERIALS

The products discussed in this Code of Practice are designed for use of wood and wood based materials. All other materials should be tested for compatibility prior to use.

LIABILITY

The effectiveness of the systems in this Code of Practice is based on laboratory tests and practical experience. However, as Polyvine Ltd neither has control over the quality of the substrate nor the standard of application, we cannot accept responsibility of the ultimate result and can only guarantee the consistent quality of products, as supplied.

HEALTH AND SAFETY

For Health and Safety advice refer to the Health and Safety information on the can or the Product Safety Data Sheet for the relevant product.

FURTHER INFORMATION

Should you require any further information on any product within our range, simply contact us at the address shown.



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SAFETY DATA SHEET

1 Identification of the substance/mixture and of the company/undertaking

Product Name: **Hickson Decor End Grain Preservative**
Datasheet Number: HDEGP 1.0.0



HSE No.: 9031
Intended Use: Waterborne end-grain timber preservative to be used on the cross-cut ends of timber.

Name of Supplier: Polyvine Ltd
Address of Supplier: Severn Distribution Park
Sharpness,
Gloucestershire,
GL13 9UQ
England

Telephone: +44 (0) 845 017 1671 (office hours)
Fax: +44 (0) 845 017 1670

Responsible Person:
Email: info@polyvine.com

Emergency Telephone: +44 (0) 208 762 8322 (24 hours)

2 Hazards identification

- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)



Dangerous for the Environment

3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Copper carbonate	2.250 % w/w	12069-69-1	235-113-6	R22	Xn
Boric acid	0.494 % w/w	10043-35-3	233-139-2	Not classified	
Propiconazole	0.050 % w/w	60207-90-1	262-104-4	R22 43 50/53	Xn, N
2-Aminoethanol	< 5 % w/w	141-43-5	205-483-3	R20/21/22 34	Xn, C

*See Section 16

4 First aid measures

Contact with skin

- Wash affected area with plenty of soap and water

Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
 - Irrigate eyes thoroughly whilst lifting eyelids
 - Seek medical advice if necessary
-

4 First aid measures (....)

Ingestion

- Do not induce vomiting
- Give plenty of water to drink
- Seek immediate medical attention

Inhalation

- Inhalation is unlikely to occur

General

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)
-

5 Fire-fighting measures

- Not flammable
 - In case of fire use water, carbon dioxide or dry agent (S43)
 - Keep container(s) exposed to fire cool, by spraying with water
 - Do not use water jets
 - Smoke from fires is toxic. Take precautions to protect personnel from exposure
 - Use appropriate containment to avoid environmental contamination (S57)
-

6 Accidental release measures

Environmental Precautions

- Use appropriate containment to avoid environmental contamination (S57)

Clean Up Actions

- Absorb spillage in earth or sand
 - Place in appropriate container
 - Seal containers and label them
 - Remove contaminated material to safe location for subsequent disposal
-

7 Handling and storage

Handling

- Wear suitable protective clothing, eye/face protection and gloves (S36/37/39)

Storage

- Keep out of reach of children (S2)
- Keep away from food, drink and animal feedingstuffs (S13)
- Keep in a cool, dry place
- Ensure strict stock rotation
- Opened containers should be carefully resealed and stored in an upright position

Specific use(s)

- Waterborne end grain timber preservative to be used on the cross-cut ends of treated timber.
-

8 Exposure controls and personal protection

Exposure Limits

Copper carbonate

- WEL (as Cu dust/mist) 1.0 mg/m³

2-Aminoethanol

- WEL (short term) 3ppm 7.6 mg/m³
-

8 Exposure controls and personal protection (....)

- WEL (long term) 1ppm 2.5 mg/m³

Occupational exposure controls

- Wear suitable protective clothing, including eye/face protection and gloves (PVC are recommended)
-

9 Physical and chemical properties

- Appearance: blue, Liquid
 - pH 9.4 to 10
 - Boiling point >100 °C
 - Completely soluble in water
 - Density (water=1) 1.025 - 1.04
 - Not flammable
 - Viscosity 405 centipoise at 20 deg C
-

10 Stability and reactivity

- Stable
 - Incompatible with acid
 - Do not use empty containers for any other use.
-

11 Toxicological information

Toxicological information

- LD50 (oral,rat) > 5000 mg/kg
-

12 Ecological information

Ecotoxicity

- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)
-

13 Disposal considerations

Disposal considerations

- This material and its container must be disposed of in a safe way (S35)
 - Disposal should be in accordance with local, state or national legislation
 - Do not use empty containers for any other use.
-

14 Transport information



Dangerous Substance

Proper Shipping Name: UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Copper) 9, PG III (E)

Emergency Action Code

EAC:

14 Transport information (....)

UN

UN No.:	3082	Hazard Class:	(
Packing Group:	3		

Road/Rail (ADR/RID)

ADR UN No.:	3082	ADR Hazard Class:	9,III
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Sea (IMDG)

IMDG UN No.:	3082	IMDG Hazard Class.:	9
IMDG Page No.:		IMDG Pack Group.:	3
IMDG EmS:	F-A, S-F		

15 Regulatory information



Dangerous for the Environment

Applicable Laws

- This product is approved under the UK Control of Pesticides Regulations (COPR) 1986, for use as directed. Always read the label. National legislation may apply to the use of this product in other countries.
- The COSHH Control of Substances Hazardous to Health Regulations 2002 may apply to the use of this product at work.
- This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58/EC)

Risk Phrases

- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/53)

Safety Phrases

- Keep out of reach of children (S2)
- Keep away from food, drink and animal feedingstuffs (S13)
- Do not empty into drains (S29)
- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)
-
- Additional requirements under COPR.
- Wear suitable protective clothing and gloves (S36/37)
- DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES.
- This material and its container must be disposed of in a safe way (S35)
- Avoid contact with skin (S24)
- UNPROTECTED PERSONS OR ANIMALS SHOULD BE KEPT AWAY FROM TREATED AREAS FOR 48 HOURS OR UNTIL SURFACES ARE DRY.
- COVER WATER STORAGE TANKS before application.
- REMOVE OR COVER FISH TANKS AND BOWLS before application.
- Do not contaminate ground, waterbodies or watercourses with chemicals or used container.
- ALL BATS ARE PROTECTED UNDER THE WILDLIFE AND COUNTRYSIDE ACT 1981.
- BEFORE TREATING ANY STRUCTURE USED BY BATS, CONSULT ENGLISH NATURE, SCOTTISH NATURAL HERITAGE OR THE COUNTRYSIDE COUNCIL FOR WALES.
- DO NOT USE ON BEEHIVES OR BEEKEEPING EQUIPMENT.
- WASH ANY CONTAMINATION from skin or eyes immediately.
- WASH HANDS AND EXPOSED SKIN before meals and after use.
- Keep only in the original container (S49)
- Keep container tightly closed (S7)
- KEEP IN A SAFE PLACE

16 Other information

It is the duty of every employer to ensure that his employees using this product have received such necessary instructions and guidance as required to use this product safely.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information given on this data sheet must be regarded as a description of the safety requirements relating to the product and not a guarantee of its properties.

Polyvine accepts no responsibility for any loss or damage which arises directly or indirectly from following the above interpretation of legislation or guidance.

Further information is available from
Polyvine Ltd Severn distribution Park, Sharpness, Gloucestershire, G113 9UQ.
Telephone 0845 017 1671 Fax 0845 017 1670

Text of R and S phrase codes used in this safety data sheet:- R20/21/22: Harmful by inhalation, in contact with skin and if swallowed; R22: Harmful if swallowed; R34: Causes burns; R43: May cause sensitisation by skin contact; R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.