Product Number: 42
HWAP

FEATURES

HWAP adhesion primer is a water-based clear primer to apply over existing paint, varnish or wax surfaces before applying other coatings.

APPLICATION & COVERAGE

HWAP Primer can be applied by brush or roller. Coverage is 10-12m² per litre.

AFTER USE & STORAGE

Use warm water to clean tools.
Product Number: 42

HW01

FEATURES
The HW01 System offers a white and coloured fireproof coating; for upgrading new and already coated timber and wood related surfaces.

- HW01 is a water based product for internal and external use.
- When using HW01 stir the tin well for approximately 5 minutes. In cold weather conditions it can go slightly thick, stand the container in hot water and stir it well – it will then go to a paint consistency.

WARNING
The properties of this product cannot be guaranteed unless storage and application instructions are adhered to, Envirograf® strongly advise that you apply the product over a small area to ensure that there is no adverse reaction to the substrate to be processed.

PREPERATION & APPLICATION

1. For applications over pre-painted areas – ensure the surface is thoroughly clean and free of grease or dust and that the surface has received a light sanding.

2. Apply one coat of Envirograf® HWAP/WB clear Adhesion Primer at 10-12m² per litre, wait until the primer is thoroughly dry.

3. For Class 0 & Class 1 BS476 Parts 6&7 and EN B/S1/d0: apply 1 coat of HW01 at 10m² per litre (100 micron wet film thickness & 60 micron dry film thickness)

For 30/60 minutes Fire Protection: according to the type/thickness/density of timber apply two coats at 8m² per litre per coat. Each coat dries in 45 minutes. (125 micron wet film thickness & 75 micron dry film thickness per coat)
4. **Ensure that each coat is completely dry before applying the next subsequent coat.** Please note the product can be applied by brush, roller or spray processes. Up to 10% water may be added to adjust viscosity for spraying.

5. **HW01/F MUST BE OVER COATED WITH A PROTECTIVE COAT.**

    Please refer to price list for available protective coatings

**TOOLS - STORAGE**

Wash with warm water. Envirograf® recommends that the products are stored in temperatures between 5°C and 30°C. When transporting or storing the tins ensure that the product is not exposed to freezing conditions. Do not apply the product in temperatures less than 5°C. Do not allow containers to stand on the floor.

**Always check that the Product is within its shelf life. If in doubt contact your supplier.**

**HEALTH & SAFETY MEASURES**

**Skin contact**  Remove contaminated clothing and wash contaminated skin with soap and water.

**Eye contact**  Wash with water for several minutes. If irritation persists seek medical advice.

**Inhalation**  Remove the casualty to fresh air.

**Ingestion**  Rinse out mouth with water and if conscious drink plenty of water. Seek medical attention.
Product Number: 42

HW01/F

FEATURES

The HW01/F System offers a white and coloured flexible fireproof coating; for upgrading new and already coated timber and wood related surfaces.

- HW01/F is a water based product for internal and external use.
- When using HW01/F stir the tin well for approximately 5 minutes. In cold weather conditions it can go slightly thick, stand the container in hot water and stir it well – it will then go to a paint consistency.

WARNING: The properties of this product cannot be guaranteed unless storage and application instructions are adhered to, Envirograf® strongly advise that you apply the product over a small area to ensure that there is no adverse reaction to the substrate to be processed.

PREPERATION & APPLICATION

1. For applications over pre-painted areas – ensure the surface is thoroughly clean and free of grease or dust and that the surface has received a light sanding.

2. Apply one coat of Envirograf® HWAP/WB clear Adhesion Primer at 16-18 m² per litre, wait until the primer is thoroughly dry.

3. The HW01/F can now be applied to the surface of the substrate at 2 coats at 8 m² per litre per coat to give 30 minutes protection on 9 mm softwood and 60 minutes protection on 14 mm softwood.

4. **Ensure that each coat is completely dry before applying the next subsequent coat.** Please note that all products can be applied by brush, roller or spray processes. Up to 5% water may be added to adjust viscosity for spraying.

5. **HW01/F MUST BE OVER COATED WITH A PROTECTIVE COAT.**

Please refer to price list for available protective coatings

TOOLS & STORAGE

Water-Based Products – wash with warm water. White Spirit Based Products – clean with white spirit or a brush cleaner. Envirograf® recommends that the products are stored in temperatures between 5°C and 30°C. When transporting or storing the tins ensure that the product is not exposed to freezing conditions. Do not apply the product in temperatures less than 5°C.

Always check that the Product is within its Shelf life. If in doubt contact your supplier.
Product Number: 42

HW02/E

FEATURES
The HW02E System offers a clear, fire proof coating; for upgrading new and already coated timber and wood related surfaces

- HW02E is water based product and can be used for internal and external use.
- All tools can be cleaned with hot water.

WARNING: HW02E needs to be upturned for 4 minutes, then add 5% water and stir thoroughly for 5 minutes. In cold weather it can go slightly thick, stand the container in hot water and stir it well – it will then go to a paint consistency. When applying HW02/E ensure the area is warm and dry NOT COLD & DAMP.

MIXING INSTRUCTIONS
When you are ready to use HW02E add all of the additive to the contents of the tin and then mix thoroughly before use. The shelf life is 12 months from batch date before mixing but only 3 months when the additive has been mixed in.

APPLICATION
Apply one coat of Envirograf® HWAP/WB clear Adhesion Primer at 10-12 m² per litre before applying HW02E, when the primer is thoroughly dry apply HW02E. HW02/E is a clear Intumescent Coating with a slightly cloudy appearance but dries clear in about 1-2 hours. Once HW02E has been applied, do not attempt to re-work by over brushing this will tear the coating. If it is absolutely necessary to re-work then dip the tip of brush in warm water first and slightly brush over. If using HW02E for the first time, it is strongly advised that you practice applying the product over a small area to get a feel for the amount of application needed. When happy with the finish on the test area, then proceed with the project. Ensure that the first coat is completely clear before applying the next coat. Apply 2 coats at 8 m² per litre, per coat to give 30 minutes on 9 mm softwood and 60 minutes on 14 mm softwood. Anything below these sizes, then apply 2 coats at 6 m² per litre, per coat. Can be applied by roller, brush or spray. If spraying add up to 10% water. The contents must be thoroughly mixed before use. Use a 2.5mm to 3mm nozzle.

For application to new wood – ensure that the area is dust free. Should you wish to stain the wood first, then we suggest using Sikkens Water Based Stains first.
HWAP PRIMER MUST BE APPLIED ON CEDAR

HW02/E must be over coated with a Top Protective Coating apply 1 top coat for internal use and 2 coats for external use.

TOP COATS FOR HW02/E
Please refer to price list for available topcoats
TOOLS & STORAGE

Water-Based Products – wash with warm water.

White Spirit Based Products – clean with white spirit or a brush cleaner.

Store the product in temperatures between 5°C and 30°C. Do not apply the product in temperatures less than 5°C.

Tested to BS476: Part 6 & 7, Class 0 & 1, BS476: Part 20/22: 1987, 30 & 60 minutes protection, UK Building Regulations, EU EN BSI Test to A1-B/S1/d0 of European Standards, EN13505, EN13823:2002 Single Burn and SBI EN11925:2 2002 Ignitability; also to EU EN 1364-1:1999, giving 66 minutes fire protection, integrity, insulation and stability.
Product Number: 42

HW Enviro Clear

Water-Based Top Coat

**FEATURES**
HW Enviro Clear/White is a specially formulated, quick drying, water based protective top coating for INTERNAL & EXTERNAL smooth hardwood and softwood surfaces. It comes in either a satin or gloss finish. It can be used over the top of the following products:

- HW02 Clear & HW01 White
- ES/VFR Clear & ES/VFR White
- Q/VFR Clear & Q/VFR White
- ES/VFR/I Clear & ES/VFR/I White

**HEALTH & SAFETY**
Do not inhale, avoid skin contact but is not harmful. Spillage on the skin should be removed with a suitable cleanser or soap and water. Wash hands before handling food. Wear a mask when spraying. Keep out of reach of children. Do not ingest. In case of eye contact, wash the area for five minutes with clean water and seek medical attention.

For more Health & Safety information please refer to data sheet.

**PRODUCT SIZES**
This product is available in 500ml, 1 litre, 2.5 Litres, 5 Litres & 20 Litres

**PREPARATION**
All surfaces should be clean, dry and free from loose particles and contamination.

**APPLICATION & COVERAGE**
HW Enviro Clear does not need thinning. Stir well before application. The result is dependent on the condition of the surface and temperature of application. The coverage rate is 10-12m² per litre, For hardwearing area’s apply 2 coats.

**AFTER USE & STORAGE**
Clean tools and any spillages with warm water. Containers must be kept tightly closed and stored at a minimum temperature of 5ºc and a maximum temperature of 35ºc.

**PROTECT FROM FROST.**
**DO NOT ALLOW CONTAINERS TO STAND ON THE FLOOR.**

The shelf life of this product is 1 year from date of manufacture.
Product Number: 42

HW Ultimate White

**Description:**

HW Ultimate white is a premium quality satin sheen finish for the use over HW01 that is suitable for interior and exterior use on wood. It provides a low odour, high opacity finish that is quick drying and non-yellowing.

**Preparation:**

Apply 1 coat of HW Ultimate White at 10-12m² per litre for internal use and apply 2 coats for external use.

Avoid the inhalation of dust, wear a suitable face mask if dry sanding. Treat knots with Knotting Solution and prime exposed wood. Special precautions should be taken during surface preparation of pre-1960’s paint surfaces over wood as they may contain harmful lead. For further advice contact Technical on 01304 842555

**Application:**

Stir well before use and apply by brush or roller. Apply liberally and evenly for a smooth finish. Two coats must be used for external use.

Do not apply in temperatures below 10 °C or in damp conditions.

**Cleaning:**

Remove as much paint as possible from application equipment before cleaning. Replace lid firmly. Clean equipment immediately after use with warm soapy water and rinse thoroughly. Some local authorities have special facilities for the disposal of waste coatings. Do not empty product into drains or watercourses.

**Precautions:**

- Ensure good ventilation during application and drying.
- Avoid contact with skin and eyes.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- After contact with skin, wash immediately with plenty of soap and water or a recognised skin cleaner.
- Keep out of the reach of children.
- Safety data sheet available for professional user on request.
**Relevant Data:**

Volume Solid: 35%
Coverage: Approximately 12m² per litre depending on the nature and porosity of the surface.
Film Thickness: Wet: 80 μm, Dry: 28 μm.
Drying Time: Touch dry in 1–2 hours. Re-coatable after 4 hours.
Thinner: Clean water.
Sizes: 1 Litre**, 2.5 Litre, 5 Litre.

**VOC Content:**

Medium VOC content 8-24.99%

VOC’s (Volatile Organic Compounds) contribute to atmospheric pollution.

EU limit value for this product (Cat A/d): 130g/l (2010). This product contains max 130g/l VOC.