

Product name	HW01 Fire protective paint
Product Code	HW01
Revision date	2018-12-04
Revision number	-
Document ref	TDS HW01

PRODUCT OVERVIEW

The HW01 offers a white, water based fire protective coating. Tested on new timber, and already coated wooden surfaces.

HW01 has the following advantages:

- Tested and classified to B-s1,d0, K₂10, EI60, REI30
- Water based
- Tested with and without a primer
- Fast drying, easy to work with, low smell
- Tested for Indoor Air Emissions

TEST DATA

HW01 is classified to B-s1,d0, according to EU Standard EN13501-1. It is tested in accordance with EN13823 SBI and EN11925-2 SFI. It is classified to K₂10 according to EU Standard EN13501-2:2007 + A1 2009. Tested to EN14135:2004. It is classified to EI60 according to EN 13501-2. tested to EN1364-1.

Produced in the UK by Intumescent Systems Ltd. Tested for Indoor Air Emissions.

Product	Fire classification	number of coats / μ WFT	Coverage/coat m ² / litre	Total coverage m ² /litre	Test document reference
HW01	REI30, RE30	2 x 125 μ HW01	8	4	2017-Efectis-R0001924, 2017-Efectis-R002216
HW01	B-s1,d0	1 x 125 μ HW01	8	8	2008-CVB-R0678
HW01	EI60, EW60	2 x 125 μ HW01	8	4	2006-Efectis-R0833(rev 1)

PLEASE RESPECT THE PRODUCT

Type of product: Water based fire protective paint

Storage: from 5°C to 35°C, protect from frost

Shelf life: 6 months from production date,

Application: Brush, roller or spray. **Important:** first coat must be fully dry before second coat is applied.

HW01 needs to be covered with a good quality top coat. Depending on substrate, HW01 could also need a primer.

HW01 can be used both indoors and outdoors, the durability is depending on the top coat.

PLEASE SEE SEPARATE APPLICATION DOCUMENT FOR MORE INFO.

Note that HW01 is a specialist coating. Always do a small test patch in an inconspicuous place to ensure good adhesion and correct finish of the applied product.

PREPARATION

HW01 offers a white, fire proof coating, for upgrading new and already coated timber and wood related surfaces. Clean the substrate, make sure it is dry and free from dust, grease, cleaning agents etc.

HW01 can be applied straight on to untreated softwood, particle board or OSB-board. On other types of wood we recommend a primer, as substrate can affect adherence and finish.

Maximum moisture content of substrate: 14%. Minimum ambient temperature: 5°C.

Important: HW01 is a specialist coating. Even though it is easy to work with and can be applied by anyone, it is important to follow the instructions on the tin or in this application data sheet, as the properties of HW01 cannot be guaranteed unless storage and application instructions are followed. Trials of every batch must be carried out in small scale prior to full application, as performance varies according to substrate structure, humidity and temperature.

APPLICATION INSTRUCTIONS

HW01 needs to be upturned for 4 minutes, then add 5% water and stir thoroughly for five minutes. In cold weather HW01 can thicken: stand the container in hot water and stir it well – it will then go to a paint consistency.

When applying HW01 ensure then area is warm and dry, as cold and damp conditions will affect the coating.

- If the substrate is already painted, or if the wood demands it, use HW Adhesion Primer (HWAP) first. Apply a thin coat and ensure it is completely dry and clear before applying the first coat of HW01.
- Apply one or two coats of HW01, depending on what fire protection you need, make sure first coat is dry before second coat.
- Apply the top coat when the HW01 is dry. HW01 MUST HAVE A TOP COAT.

Application tools: Brush, roller or spray equipment (2.5 to 3 mm nozzle). Thin with up to 10% water if applied by spray.

Product	Fire classification	number of coats / μ WFT	Coverage/coat m ² / litre	Total coverage m ² /litre
HW01	REI30, RE30	2 x 125 μ HW01	8	4
HW01	B-s1,d0	1 x 125 μ HW01	8	8
HW01	EI60, EW60	2 x 125 μ HW01	8	4

CLEAN UP

Soak the tools with cold, soapy water. For best result, clean brushes with a little brush cleaner, then rinse with water. Close the tin carefully and use before the expiry date.

AFTER CARE

Walls painted with HW01 can be cleaned in accordance with what the top coat allows.

The protection provided by the HW paints will last the lifetime of the substrate, providing there is no damage to the coating. The topcoat needs to be maintained, as you would with general maintenance, with cyclical re-application as stated by the topcoat supplier.

conforming to EC no. 1272/200

Revision date	2019-06-18
Revision number	1

01 - IDENTIFICATION OF SUBSTANCE

1.1. Product identifier

Trade name : HW01 Fire protective paint

Version number: -

1.2. Relevant identified uses of the mixture and uses advised against

1.2.1. Relevant identified uses

Uses of the product: Fire protective waterborne paint for wood and wood related substrates

1.2.2. Uses advised against: Not relevant

1.3 Supplier of data sheet:

Scandinavian Trading Ltd
Unit 2, Glen Court, Canada Road, Byfleet, KT14 7JL, UK
Tel: +44 (0)1932 354293
www.scandinaviantrading.co.uk

Manufacturer: Intumescent Systems Ltd, UK

1.4 Emergency telephone number: Follow local rules. Emergency number in Europe: 112

02 - HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture: -

2.2. Label elements:



EUH 208: Contains - 5-chloro-2-methy-3(2H)-isothiazolone / 2 – methyl3 (2H)-isothiazolone (3:1) May cause an allergic reaction.

2.3. Other hazards: Not hazardous if used as intended

03 - COMPOSITION/ INFORMATION ON INGREDIENTS

3.1/2. Substance/Mixture: Aqueous (emulsion) polymer system.

Chemical name	CAS No.	%	Hazard phrases
2-methyl isothiazol-3(2H)-one	2682-20-4	<0.0006%	H301, H330, H314, H318, H317, H400
Pyrithione zinc	13463-41-7	<0.0006%	H301 / H330 / H318 / H400 / H 410
1,2-benzisothiazol-3(2H)-one	2634-33-5	<0.0006%	H330 / H318 / H315 / H317
5-chloro-2-methy-3(2H)-isothiazolone / 2 – methyl3(2H)-isothiazolone (3:1)		< 0.0000026%	H311 / H330 / H314 / H317 / H400 / H410 / H318

3.3. Additional information:

04 - FIRST AID MEASURES

4.1. Description of first aid measures.

- inhalation :** Remove the casualty to fresh air.
- 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.
- ingestion:** Rinse out mouth with water and if conscious drink plenty of water. Seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed.

-

4.3. Indication of any immediate medical attention and special treatment needed.

-

05 - FIREFIGHTING MEASURES

5.1 Extinguishing media.

Foam, carbon dioxide, powder and water spray.

Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture:

None known.

5.3 Advice for firefighters:

Chemical protection suit / gloves / boots and self-contained breathing apparatus.

06 - ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Use personal protection equipment.

6.2. Environmental precautions:

Do not dispose of into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up:

Scrape up excess and dispose of at an approved site.

07 - PRECAUTIONS FOR SAFE HANDLING

7.1 Precautions for safe handling:

Not applicable.

7.2. Conditions for safe storage, including any incompatibilities:

Store in closed containers between + 5°C and + 30°C in dry conditions. Avoid extremes of temperature. Keep containers sealed until required for use.

7.3. Specific end uses:

Product is intended for use as described in section 1.2

08 - EXPOSURE CONTROLS /PERSONAL PROTECTION

8.1. Control parameters Not applicable

Occupational exposure limits TWA -
(Time Weighted Average):
DNEL / PNEC: -

8.2 Exposure controls:

Appropriate technical measures: Provide adequate ventilation, especially if applied by spraying.

General information / hygiene measures: Wash hands if needed after use.

Measures to avoid environmental exposure: Avoid spills into local waterways.

Personal protective equipment:

Respiration protection: Not applicable

Hand protection: Gloves

Body protection: Not applicable

Eye Protection: Goggles

09 - PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<i>Appearance:</i>	White paint	<i>Density:</i>	1.28 - 1.31 g/cm ³
<i>Colour:</i>	White	<i>Melting point:</i>	not applicable
<i>Odour:</i>	Low odour	<i>Evaporation rate:</i>	-
<i>pH (as supplied):</i>	7.2 - 8.2	<i>Auto-ignition temperature:</i>	not applicable
<i>Viscosity:</i>	-	<i>Explosive limits</i>	not applicable
<i>Flash point:</i>	not applicable	<i>Solubility in water:</i>	Miscible
<i>Boiling point:</i>	Not determined	<i>Partition coefficient: (N-octanol/water)</i>	not applicable
<i>Vapour pressure:</i>	not applicable		

9.2 Other information: -

10 - STABILITY AND REACTIVITY

10.1. Reactivity: -

10.2 Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions: -

10.4 Conditions to avoid: Avoid extremes of temperature especially frost and freezing conditions.

10.5 Incompatible materials: None, under normal conditions of use.

10.6 Hazardous decomposition products: No decomposition if stored and applied as directed.

11 - TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects Not applicable

12 - ECOLOGICAL INFORMATION

12.1 Toxicity -

12.2 Persistence and degradability: -

12.3 Bioaccumulative potential: -

12.4 Mobility in soil: -

12.5 Result of PBT and vPvB assesment: -

12.6 Other adverse effects: -

13 - DISPOSAL CONSIDERATIONS

13.1 Waste tratment methods: 08 01 11* waste paint and varnish containing organic solvents or other hazardous substances. The EAL-code is for guidance only. Always check the waste disposal code for the applied status of the product in this Safety Data Sheet. Final EAL-code is decided by the use of the product. Must be disposed of in accordance with local and national regulations.

Contaminated packing: 15 01 04 metallic packaging. Empty tins can, after cleaning, be recycled in accorcance with local regulations

14 - TRANSPORT INFORMATION

14.1 UN number Not regulated for Transport.

14.2 UN proper shipping name -

14.3 Transport hazard class(es) Not applicable. Non hazardous.

14.4 Packing group Not applicable. Non hazardous.

14.5 Environmental hazards - MP: Not applicable. Non hazardous.

14.6 Special precautions for user: Not applicable. Non hazardous.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: -

15 - REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/ legislation specific for the substance of mixture -

15.2 Chemical Safety Assessment: -

16 - OTHER INFORMATION

Recommended use:	Decorative coating with fire retardant properties.
Further information:	Consult technical data sheet.
Hazard statements from heading 3:	H301 Toxic if swallowed. H311 Toxic in contact with skin H314 Causes severe skin burns and eye damage H315 Causes skin irritation H317 May cause an allergic skin reaction H318 Causes serious eye damage H330 Fatal if inhaled H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects
Precaution statements	P102 Keep out of reach of children P103 Read label before use P260 - Avoid breathing dust/fumes/gas/mist/vapours/spray.
Additional information:	The information in the Health and Safety Data Sheet is provided in accordance with the requirements of the EU regulations. The product should not be used for purposes other than those shown in section 1 without first referring to Scandianvaian Trading Ltd and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This information contained in the safety data sheet is based on present knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.