

Nordic QVFR White Flame retardant paint

Product name	Nordic QVFR White
Product Code	Nordic QVFR White 1 / 2
Revision date	2018-11-14
Revision number	1
Document ref	TDS NORDIC QVFR W

PRDUCT OVERVIEW

Nordic QVFR is a white flame retardant paint for protection of wood and wood based substrates. Nordic QVFR White is water based and can be tinted to acheive a coloured finish. It is developed for indoor use and does not need a top coat.

Nordic QVFR White has the following advantages:

- Tested and classified to B-s1,d0
- Water based
- Can be tinted with water based pigment in coat 2
- Has an integrated top coat
- Thin film protection, only 100 µ WFT per coat
- Fast drying, easy to work with, low smell
- Tested for Indoor Air Emissions
- Second coat in matt, satin or gloss finish

TEST DATA

Nordic QVFR White is classified to B-s1,d0, according to EU Standard EN13501–1:2007 + A1:2009. It is tested in accordance with EN13823:2010 SBI and EN11925-2:2010 SFI. Tested on OSB board, without primer. Tested with water based pigment in coat no 2.

Tested for Indoor Air Emissions.

Product	Fire classification	number of coats /µ WFT	Coverage/coat m2/ litre	Substrate
Nordic QVFR White	B-s1,d0	1 x 100 µ Nordic QVFR 1	10	Untreated OSB board
		1 x 100 µ Nordic QVFR 2	10	

NOTES

Type of product: Water based flame retardant paint

Storage: from 5°C to 35°C

Shelf life: 6 months from production date

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

Nordic QVFR White is a two coat system and must be applied as follows: Nordic QVFR White 1, followed by Nordic QVFR White 2.

Nordic QVFR White has a top coat integrated in the second coat.

Nordic QVFR White is designed for indoor use. The second coat can be ordered in a matt, satin or gloss finish

Note: we do not take responsibility for the exact colour result of any tint, if pigmented. We will deliver a white product. Always do a small test patch in an inconspicuous place to ensure the adhesion and look of the applied product.

Nordic QVFR White Flame retardant paint

PREPARATION

Clean the substrate, make sure it is dry and free from dust, grease, cleaning agents etc. Nordic QVFR White can be applied straight on to untreated softwood or OSB-board, on other types of wood we recommend a primer. Ensure that the substrate is fully dry before applying Nordic QVFR White.

APPLICATION INSTRUCTIONS

Stir/mix Nordic QVFR White vigorously before and during use. If applying to previously painted surface, ensure that flaking paint or varnish is removed and apply a primer.

Nordic QVFR White can be applied by brush, roller or spray. If spraying, use a nozzle size 2.5 mm to 3 mm. When applied by spray, thin with up to 10% water, including any water based pigments added to Nordic QVFR White 2.

To achieve fire rating B-s1,d0, Nordic QVFR White is to be applied in 2 coats of 100µ wet film thickness (WFT), 10 m² per litre per coat. Apply Nordic QVFR White 1 as first coat, followed by Nordic QVFR White 2 as second coat. Make sure that the first coat is completely dry before second coat is applied.

For best result, keep the paint at a temperature of 20-25°C at application.

Max moisture level allowed in substrate is 14%.

Nordic QVFR White is for use indoors only.

Application tools:	Brush, roller or spray equipment (2.5 to 3 mm nozzle)
Thin with:	Water (up to 10% if application by spray, including any added tint)
Drying time:	Touch dry after 1-2 hours (23° C och 50 % Rh)
Time before second coat:	Minimum 2 hours. Make sure Nordic QVFR White 1 is fully dry before applying Nordic QVFR White 2.
Protective equipment:	protective clothing
Clean up:	soap and water and/or brush cleaner
Storage:	5-35°C, indoor conditions, ensure tin is well sealed.
Shelf life:	6 months from production date.

Note: The coverage on the first coat could vary according to type of timber treated. Trials in small areas must always be carried out prior to full application, as performance varies according to substrate structure, humidity and temperature.

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 if any QVFR is left and use before the expiry date.

AFTER CARE

Walls painted with Nordic QVFR can be cleaned with a well wrung damp cloth.

Small scuffs, scratches, or general wear over time does not affect fire performance. Major damages should be addressed with a new coat of Nordic QVFR 2, 100 µ WFT. If redecorating: ensure that the surface is clean and free from dust. Then apply one coat Nordic QVFR 2, 100 µ WFT.

conforming to EC no. 1272/200

Revision date	2019-06-18
Revision number	1

01 - IDENTIFICATION OF SUBSTANCE

1.1. Product identifier

Trade name : Nordic QVFR White (1+2)

Version number: -

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

1.2.1. Relevant identified uses

Uses of the product: Flame retardant 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

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:



Contains - 5-chloro-2-methy-3(2H)-isothiazolone / 2 – methyl3(2H)-isothiazolone (3:1) as a preservative and antifungal agent. 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.
Nordic QVFR White 1+2 contains biocidal ingredients, as listed below.

Chemical name	CAS No.	%	Hazard phrases
2-methyl isothiazol-3(2H)-one	2682-20-4	<0.0006%	H310, H314, H317, H318, H330, H400
pyrithione zinc	13463-41-7	<0.0006%	H301 / H330 / H318 / H400 / H 410
1,2-benzisothiazo-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. with mild soap and water, followed by warm water rinse.
- 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.

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

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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

Appearance:	White paint	Density:	1.28 - 1.31 g/cm ³
Colour:	White	Melting point:	not applicable
Odour:	Low odour	Evaporation rate:	-
pH (as supplied):	7.2 - 8.2	Auto-ignition temperature:	not applicable
Viscosity:	-	Explosive limits	not applicable
Flash point:	not applicable	Solubility in water:	Miscible
Boiling point:	Not determined	Partition coefficient: (N-octanol/water)	not applicable
Vapour pressure:	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. P102 - Keep out of reach of children. P103 - Read label before use P260 - Avoid breathing dust/fumes/gas/mist/vapours/spray.
Hazard statements from heading 3:	Trace elements carry the following H-phrases for their bulk material: 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
Additional information:	The information contained 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 Scandinavian 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.