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Authorised and notified according
to Article 29 of the Regulation (EU)
No 305/2011 of the European
Parliament and of the Council of 9
March 2011

MEMBER OF EOTA



European Technical Assessment ETA-24/0442 of 2024/11/22

I General Part

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S

Trade name of the construction product:

Protega Upgrade

Product family to which the above construction product belongs:

Fire Retardant Products

Manufacturer:

Protega AB
Verkstadsgatan 6b
SE-231 66 Trelleborg
Telephone: +46 410 567 80
www.protega.se

Manufacturing plant:

Protega AB Trelleborg

This European Technical Assessment contains:

6 pages

This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of:

EAD 350865-00-1106 Fire Retardant Products

This version replaces:

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II SPECIFIC PART OF THE EUROPEAN TECHNICAL ASSESSMENT

1 Technical description of the product

Protega Upgrade is an opaque, water-based, fire protection paint system, consisting of Protega Upgrade (400 g/m²) and Protega Topcoat W (100 g/m²) or as a paint system consisting of Protega Upgrade (400 g/m²), applied to painted wood-based substrate.

Protega Upgrade turns into a foam layer when it is exposed for high temperatures. The layer dampens the heat flow to the substrate.

Substrates must be dry and free from grease, dirt, dust, and other contaminants.

2 Specification of the intended use in accordance with the applicable European Assessment Document (hereinafter EAD)

Protega Upgrade is intended to be used for indoor applications, in any colour, upgrading already painted (max 360 µm DFT*) wood-based substrates with a minimum thickness of 8 mm and a density $\geq 338 \text{ kg/m}^3$, and any end use substrate of Euroclasses A1 or A2-s1, d0 at least 6 mm thick, having a density $\geq 338 \text{ kg/m}^3$ to Euroclass B-s1, d0. This paint system consists of Protega Upgrade (400 g/m² wet paint) with or without Protega Topcoat W (100 g/m² wet paint).

*Corresponding to a paint applied in nine layers of 40 µm DFT each.

The provisions made in this European Technical Assessment are based on an assumed intended working life of the fire-retardant product of 5 years when installed in the works, provided that the conditions laid down in the product data sheet for the packaging/transport/storage/installation/use/repair are met.

The indications given on the intended working life cannot be interpreted as a guarantee given by the producer or the Technical Assessment Body but are to be regarded only as a means for selecting the appropriate products in relation to the expected economically reasonable working life of the works.

3 Performance of the product and references to the methods used for its assessment.

Characteristic	Assessment of characteristic
3.2 Safety in case of fire (BWR 2)	
Reaction to fire	The product is classified as Euroclass B-s1, d0 according to EN13501-1 and Commission Delegated Regulation (EU) No. 2016/364.
Durability*	Use category: Type Z₂
Serviceability of floorings	No performance assessed
3.3 Hygiene, Health and the Environment (BWR 3)	
Content, emission and/or release of dangerous Substances**	No performance assessed

See additional information in section 3.8-3.9

*) Durability assessment is only related to the reaction to fire performance.

**) In addition to the specific clauses relating to dangerous substances contained in this European technical Assessment, there may be other requirements applicable to the products falling within its scope (e.g., transposed European legislation and national laws, regulations and administrative provisions). In order to meet the provisions of the Construction Products Regulation, these requirements need also to be complied with, when and where they apply.

3.8 Methods of assessment

The product is fully covered by EAD 350865-00-1106 Fire Retardant Product, for use conditions type Z₂: Fire retardant products intended for internal conditions (excluding temperatures below 0° with humidity classes other than Z₁).

3.9 General aspects related to the fitness for use of the product.

The European Technical Assessment is issued for the product based on agreed data/information, deposited with ETA-Danmark, which identifies the product that has been assessed and judged. Changes to the product or production process, which could result in this deposited data/information being incorrect, should be notified to ETA-Danmark before the changes are introduced. ETA-Danmark will decide if such changes affect the ETA and consequently the validity of the CE marking based on the ETA and if so whether further assessment or alterations to the ETA, shall be necessary.

Protega Upgrade protection paint system is manufactured in accordance with the provisions of this European Technical Assessment using the manufacturing processes as identified in the inspection of the plant by the notified inspection body and laid down in the technical documentation.

4 Attestation and verification of constancy of performance (hereinafter AVCP) system applied, with reference to its legal base.

4.1 AVCP system

According to the decision 1999/454/EC as amended by Decision 2001/596/EC, of the European Commission, the system of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) is: **1.**

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD.

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at ETA-Danmark prior to CE marking.

Issued in Copenhagen on 2024-11-22 by



Thomas Bruun
Managing Director, ETA-Danmark