

CERTIFICATE OF CONFORMITY

Issue: 01

Certificate number: **ESL-23-11564**

Pursuant to provisions of the Certification scheme on Global Conformity Certification of fire and life safety products (CS-GCC, scheme type 5), Emirates Safety Laboratory hereby grants this certificate of conformity to the product described below:

Cape Reed Fireshield FRC 101 Fire Retardant Coating applied over treated South African Eucalyptus solid wood poles and treated South African Pinus Radiata solid wood poles

Placed on the market under the name or trade mark of:

**Cape Reed LLC
Emaar Business Park – Dubai
Building 4, Office 205, P.O. Box 75081, Dubai, United Arab Emirates**

Manufactured in the following location(s):

Al Quoz Industrial Area 3 Dubai, United Arab Emirates

Complies with the requirements of the standard(s) as detailed below:

EN 13501-1:2018 Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests

The certificate was first issued on **26 October 2023** and remains valid under the condition that the Certificate Holder fulfils the requirements of the agreement on certification supervision no. **0159/ESL/GCC/2023**.



Signed for ESL

Tomasz Kielbasa
Certification Manager

26 October 2023
Date of issue

25 October 2026
Expiry date

This Certificate remains valid till date stated above, unless suspended, withdrawn or terminated. This certificate will not be valid if the manufacturer makes any changes affecting product conformity, which have not been notified to, and agreed in writing with ESL. This Certificate is an electronic document and shall not be reproduced (in any form) except in full. Certificate holder is under an obligation to make references to issued certificate only in conjunction with product(s) that conform to evaluated product construction. Prior to use of this certificate, please verify its validity at ESL directory

Appendix to Certificate of Conformity

No: **ESL-23-11564**

Issue: **01**

CERTIFIED PRODUCT:

Product Description:

Cape Reed Fireshield FRC 101 is a fire retardant-impregnating coating based on phosphate and flame retardant-containing components containing polymers suitable for exterior usage applicable for various substrates.

Product Details:

Product Name	Cape Reed Fireshield FRC 101
Product Type	Fire Retardant Coating
Product Identifier	F101MN001S (as per MSDS)
Reference Safety Data Sheet	Safety Data Sheet according to Regulation (EC) 'No. 2020/878, revision date: 16/10/2023
Solid wood poles (substrate)	<i>Treated South African Eucalyptus</i> Species: Eucalyptus Grandis Country of Origin: South Africa Treatment type/preservative: pressure treatment/Tan-E/Vacsol Azure (SANS 457 compliant) Average Weight: 800 kg/m ³ Nominal Diameter: 25 mm (min.) – 225 mm (max.)
	<i>Treated South African Pinus Radiata</i> Species: Pinus Radiata Country of Origin: South Africa Treatment type/preservative: pressure treatment/Tan-E/Vacsol Azure (SANS 457 compliant) Average Weight: 730 kg/m ³ Nominal Diameter: 125 mm (min.) – 225 mm (max.)
Application / Coating Preparation	Number of coating (layers): 2
	<i>Application rate</i> 1 st coat: 0.23 to 0.25 kg/m ² 2 nd coat: 0.23 to 0.25 kg/m ² Total application rate: 0.46 to 0.50 kg/m ² Two layers of fire retardant coating are to be spray/brush applied on the treated solid wood poles at a general application rate of 0.46 to 0.50 kg/m ² . After the first layer, the second layer can be applied "wet-on-wet". The treated material is able to dry on air, dust-free after approx. 30 to 60 minutes depending on temperature, and climatic circumstances.
Re-treatment	Protection maintenance requires re-treatment – based on regular checks




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Appendix to Certificate of Conformity

No: **ESL-23-11564**Issue: **01****Reaction to fire classification:**

Product Description	Test standards	Reaction to Fire Classification
Cape Reed Fireshield FRC 101 Fire Retardant Coating applied over treated South African Eucalyptus solid wood poles	EN 13501 -1:2018	B-s1,d0
Cape Reed Fireshield FRC 101 Fire Retardant Coating applied over treated South African Pinus Radiata solid wood poles	EN 13501 -1:2018	B-s1,d0

The above classifications are valid for the following end-use applications:

1. Substrates – valid only for the treated solid wood substrates stated above.
2. Valid for a 200 mm minimum spacing between wood poles.
3. Valid for all substrate diameters as declared (see Product Details).
4. Valid for two number of layers (coating) applied according to application rate.

Limitations:

1. No variation in the type of substrate and purported spacing is allowed.
2. This certificate covers the product's performance limited to the reaction to fire classification and does not cover any weather performance, fire-resistance characteristics, and large-scale fire-propagation characteristics performance.
3. This certification covers only those product/material type specifications described in the assessed test and/or classification reports.


Signed for ESLTomasz Kielbasa
Certification Manager26 October 2023
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