



ÉMI NON-PROFIT LIMITED LIABILITY COMPANY
FOR QUALITY CONTROL AND INNOVATION IN BUILDING
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ÉMI NON-PROFIT LIMITED LIABILITY COMPANY FOR QUALITY CONTROL AND INNOVATION IN BUILDING
ÉMI SOCIÉTÉ À BUT NON LUCRATIF POUR LE CONTRÔLE DE QUALITÉ ET L'INNOVATION DU BÂTIMENT, RESPONSABILITÉ LIMITÉE
ÉMI NON-PROFIT GESELLSCHAFT FÜR QUALITÄTSKONTROLLE UND INNOVATION IM BAUWESEN MIT BESCHRÄNKTER HAFTUNG

TMI-176/2009

CERTIFICATE
of the
FIRE PROTECTION CONFORMITY
of
Char 21 fire protection paint-coat

provided with the Technical Permit of Building (ÉME) No. **A-737/2009**

Product name: Char 21 fire protection paint-coat

Applicant and Holder of the Certificate of Fire Protection Conformity (TMI):

Anyagvédelem Kft.
2251 Tápiószecső, Gárdonyi Géza u.42.

Manufacturer of the product:

IRIS VERNICI S.R.L.
Via Novi 42. - 15060 Basaluzzo (AL), Italy

Marketed by:

Anyagvédelem Kft.
2251 Tápiószecső, Gárdonyi Géza u.42.


ÉMI Nonprofit Kft. issues this Certificate pursuant to the evaluation of the test results detailed in the Technical Permit of Building No. **A-737/2009** dated **15th October 2010** and under the data, conditions and regulations set forth on the backside (and on the supplementary sheet/s).

Domain of use of the building product:

Fire protection coating of steel structures.

This Certificate of Fire Protection Conformity is valid until **31st October 2015**.

Budapest, 20 October 2010


Dr. Tamás Bánky
Scientific Director

Certificate of Fire Protection Conformity consisting of 3 pages and no annex.

KBiA-X-1-2009.09.17.

Denomination of the testing unit:

ÉMI Nonprofit Kft. Tűzvédelmi Divízió (2000 Szentendre, Dózsa György út 26.) and Tűzvédelmi Laboratórium* (2000 Szentendre, Dózsa György út 26.)

* Tűzvédelmi Laboratórium (Fire protection Laboratory) is a fully authorized member of EGOLF (European Group of Organizations for Fire Testing; Inspection and Certification)

Legal rules, standards and prescriptions taken in consideration when testing the product

MSZ 14800-1:1989 and the National Fire Protection Regulation (OTSZ) Part 5. issued with the Decree 9/2008. (II.22.) ÖTM.

Brief description and technical data of the product:

Char 21 fire protection paint-coat appropriate for the fire protection of steel structures of wall thickness exceeding 5 mm but the foaming capacity decreases if used outdoors or in acidic environment.

Planning/conformity certification/type testing values

Product characteristics (and measurement units)	Value/data	Testing/evaluation methods
Critical limit for fire resistance (minutes)	R 30 (700 µm*) R 45 (1450 µm*) R 60 (1950 µm*)	MSZ 14800-1:1989

* Minimum dry total thickness

Conditions of the product conformity of use:

With this coating system a critical limit for fire resistance of 30 minutes with 700 µm total dry thickness, 45 minutes with 1450 µm and 60 minutes with 1950 µm can be provided for load-carrying steel structures of at least 5 mm wall thickness.

The own fireproofness performance of the steel structure cannot be added to the critical limit for fire resistance.

The Char 21 type fire protection paint-coat system can be used by slightly aggressive urban, industrial atmospheric conditions inside and outside with the condition that any damage or bruise of the coating will result bubbling, blistering. Furthermore you should take into consideration that bubbling or blistering would result the decrease of aggressive impact.

The steel surface should be absolutely clear, free of dust, grain-dispersed of at least Sa 2,5 clearness.

Application methods: painting or airless spray.

When applying the fire protection paint you always have to respect the manufacturer's instructions.


The products and the coating system provided by these products can only be executed with the technology specified by the manufacturer.

Instructions of use in Hungarian language are to be attached to the product.

The Obligee of TMI is obliged to give notice of every change in the construction, material or the manufacturing process of the product. Afterwards ÉMI Nonprofit Kft. has to decide whether the TMI can be maintained in force or a new procedure is to be initiated by simultaneous withdrawal of TMI.

This TMI does not comprise all technical characteristics of the product and does not replace other permits necessary for the marketing, use, building-in or employment of this agent (e.g. Technical permit of Building) and does not authorize the manufacturer or the marketing agency to apply the CE conformity sign on the product or the package of the product.

TMI can only be multiplied in its entire extent. For any abridged publication of the same the prior written consent of ÉMI Nonprofit Kft. is required.


Tamás Kiss-Sponga
Testing Engineer


László Kocsis DEPUTY
head of the Scientific Department