

DECLARATION OF PERFORMANCE DoP ACCORDING TO REGULATION (EU)
N° 305/2011

	<h1>DECLARATION OF PERFORMANCE</h1> <p>Release date: 10/05/2017 Revision date:</p>
	<h2>N° 1219 – CPR – 0169 – 2017/05</h2>
1	<p>Unique identification code of the product:</p> <h3>CHAR 21 PLUS</h3>
2	<p>Batch or serial number: as reported on each packaging of CHAR 21 PLUS</p>
3	<p>Intended use: as reported in the ETA 17/0180 of 10/05/2017 point 2, CHAR 21 PLUS is an intumescent reactive coating for the fire protection of structural elements such as columns and beams according to the definitions of EN 13501-2. It is used for H or I open profiles for a resistance to fire of R15-R30-R60-R90 and for square closed profiles for R15-R30-R60, with critical temperatures ranging from 500°C to 650°C. Details about the application field of CHAR 21 PLUS are reported in annex 1 of ETA 17/0180.</p> <p>Data (thickness, resistance to fire class, section factor, critical temperature) valid for H and I profiles are directly applicable also for angles and T of same section factor for each single element.</p> <p>The prescriptions below shall be followed for the use of the reactive system as a function of the environmental conditions.</p> <ul style="list-style-type: none"> CHAR 21 PLUS reactive coating with or without topcoat for use in Y, Z1, Z2 class. <p>Conditions of use for the different categories are reported in the ETAG 18 part 2 clause 2.2.2:</p> <ul style="list-style-type: none"> Type Y the reactive system is intended for use in internal conditions and semi-exposed conditions. Semi-exposed includes temperatures below 0°C but no exposure to rain and limited exposure to UV Type Z1 the reactive system is intended for use in internal conditions with humidity equal or greater than 85%, excluding temperatures below 0° C Type Z2; the reactive system is intended for use in internal conditions with humidity lower than 85%, excluding temperatures below 0° C Type 4: Fire protective product to protect load-bearing steel elements <p>The provisions made for the ETA are based on an assumed intended working life of CHAR 21 PLUS reactive coating of minimum 10 years, provided that conditions and instructions given by the manufacturer for installation, use and maintenance are fulfilled. Such conditions are based on the current best knowledge and experience.</p> <p>This information about lifetime of the product cannot be interpreted as a guarantee, but just as a mean to choose the appropriate product with respect to the expected reasonable lifetime of the works.</p>

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4	Name and address of manufacturer:		
	IRIS Coatings S.r.l. Legal seat: Via Gramsci 25, 15121 Alessandria, Italia Operations: Via Novi 42, 15060 Basaluzzo (AL), Italia		
5	Authorized representative: not applicable		
6	System(s) of Assessment and Verification of the Constancy of Performance (AVCP): see table section 9		
7	This construction product is not covered by a harmonized standard		
8	Declaration of performance for the construction product for which a European Technical Assessment has been released: For the reactive system CHAR 12 PLUS it has been released by CSIC - Istituto Torroja – Serrano Galvano <div style="text-align: center;">ETAs 17/0180</div>		
	<i>Product certification Notified Body n°1219</i> CSIC - Istituto Torroja – Serrano Galvano C/Serrano Galvache n4 28033 MADRID		
9	Declared performance		
	Essential characteristic	AVCP system	Performance 1
			Harmonized standard
	Mechanical resistance and stability (BWR): n.d.		
	Safety in the case of fire (BWR2)		
	Reaction to fire	1	F
			EN 13501-1+A1:2009
	Resistance to fire	1	This characteristic depends on the tested system. Performance of the product has been established by the manufacturer in conformity with the tested system and the intended use in accordance with point 3 of the DoP. Performance classes are given in accordance with the applicable part of EN 13501.
			ETAG 18-2, 2011

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9	Hygiene, health and the environment (BWR 3)			
	Release of dangerous substances		NPD (no performance declared)	ETAG 18-2, 2011
	Safety and accessibility in use (BWR 4)			
			NPD (no performance declared)	ETAG 18-2, 2011
	Protection against noise			
			NPD (no performance declared)	ETAG 18-2, 2011
	Energy economy and heat retention (BWR 2)			
			NPD (no performance declared)	ETAG 18-2, 2011
	Sustainability and use of natural resources (BWR 7)			
			NPD (no performance declared)	ETAG 18-2, 2011
	Durability			
	Adhesion	1	Primers and topcoats reported in ETA are compatible with reactive coating	ETAG 18-2, 2011 Point 5.7.1.1
	Durability	1	See point 3	ETAG 18-2, 2011 Point 5.7.2.1 5.7.2.2

This Declaration of Performance is issued under the sole responsibility of the manufacturer as identified at point 4. The reader of this document is invited to check the most recent version of this DoP on www.iriscoatings.it. Technical datasheets and Safety DataSheets (SDS) of CHAR 21 PLUS are available upon request or downloadable from the website www.iriscoatings.it.

Signed for and on behalf of IRIS COATINGS S.r.l.
Name: Riccardo Ruggeri
Position: CEO

IRIS Coatings s.r.l.
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