



DECLARATION OF PERFORMANCE DoP N° C15002_2

[in accordance with (EU) Regulation N° 305/2011 « CPR » and (EU) delegated Regulation N° 574/2014]

1. UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE

COURTSOL OUTDOOR / INDOOR

2. INTENDED USE

Surface Protection System for Concrete as multisport synthetic acrylic coatings for outdoor/indoor floors and supplied in kit.

3. MANUFACTURER:

ALLIOS / COURTSOL
Service Ingénierie Produits
2648, RD 6007
06270 VILLENEUVE-LOUBET
Contact : sip@allios.fr.

4. ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE (AVCP)

System 4 for uses with low performance requirements in the building and civil engineering works according to EN 1504-2, as part of the EN ISO 9001 (2015) Quality and Environmental Management certification of the production site, integrating the verification of production characteristics constancy by BUREAU VERITAS.

system 3 for the reaction to fire, as part of the EN ISO 9001 Quality and Environmental Management certification of the production site, integrating the verification of production characteristics constancy by BUREAU VERITAS.

Reaction to fire tests have been carried out by the notified laboratory: LNE, 29 avenue Roger Hennequin, 78197 TRAPPES CEDEX France.

5. a) HARMONIZED STANDARD

This product is covered by the harmonized standard EN 1504-2: 2005, *Surfaces Protection System for Concrete*, as coating for ingress protection (1.3).

6. DECLARED PERFORMANCES

The product is delivered in kit, assembled from the following list of components: **COURTSOL** PRIMER ES 15 / ES 40, RESIBASE BP, RESIBASE, CUSHION BASE, CUSHION SBR, CUSHION CORK, POLYBOND, RUBBER MAT, CORK MAT, RESITOP, COLOR, LINES.

The standard performances of each kit are listed in the table below under the names: **COURTSOL** STANDING, STANDING FINISH PLUS, WORLDCHAMP ROLLER, RACE TRAINING ROLLER, VELODROME, TOURNAMENT, TOURNAMENT FINISH PLUS, PRO, PRO FINISH PLUS, NL PRO, NL PRO FINISH PLUS, COMFORT, COMFORT FINISH PLUS, NL COMFORT and NL COMFORT FINISH PLUS.

DECLARED PERFORMANCES TABLE OF THE PRODUCT COURTSOL OUTDOOR/INDOOR ⁽¹⁾			
ESSENTIAL CHARACTERISTICS	PERFORMANCES	SYSTEM AVCP	HARMONISED STANDARD
Release of Dangerous substances	Conformity to 5.3	System 4	EN 1504-2: 2005
Water vapor permeability	$5 \text{ m} \leq S_d \leq 50 \text{ m}$		
Capillary absorption and permeability to water	NPD		
Adherence (MPa)	- COURTSOL STANDING : > 0,8 - COURTSOL STANDING FINISH PLUS : > 0,8 - COURTSOL WORLDCHAMP ROLLER : > 0,8 - COURTSOL RACE TRAINING ROLLER : > 0,8 - COURTSOL VELODROME : > 0,8 - COURTSOL TOURNAMENT : > 0,8 - COURTSOL TOURNAMENT FINISH PLUS: > 0,8 - COURTSOL PRO : NPD ⁽²⁾ - COURTSOL PRO FINISH PLUS : NPD ⁽²⁾ - COURTSOL COMFORT (4mm thick mat) : NPD ⁽²⁾ - COURTSOL COMFORT FINISH PLUS : NPD ⁽²⁾ - COURTSOL NL COMFORT : NPD ⁽²⁾ - COURTSOL NL COMFORT FINISH PLUS: NPD ⁽²⁾ - COURTSOL NL PRO : NPD ⁽²⁾ - COURTSOL NL PRO FINISH PLUS : NPD ⁽²⁾		
Reaction to fire ⁽²⁾	- COURTSOL STANDING : Bfl-s1 - COURTSOL STANDING FINISH PLUS : Bfl-s1 - COURTSOL WORLDCHAMP ROLLER : Bfl-s1 - COURTSOL RACE TRAINING ROLLER : Bfl-s1 - COURTSOL VELODROME : Bfl-s1 - COURTSOL TOURNAMENT : Bfl-s1 - COURTSOL TOURNAMENT FINISH PLUS: NPD ⁽³⁾ - COURTSOL PRO : Cfl-s1 - COURTSOL PRO FINISH PLUS : Cfl-s1 - COURTSOL COMFORT (4mm thick mat) : Bfl-s1 - COURTSOL COMFORT FINISH PLUS : Cfl-s1 - COURTSOL NL COMFORT : NPD ⁽³⁾ - COURTSOL NL COMFORT FINISH PLUS: NPD ⁽³⁾ - COURTSOL NL PRO : NPD ⁽³⁾ - COURTSOL NL PRO FINISH PLUS : NPD ⁽³⁾	System 3	
(1) Construction product delivered in kit for coating type ZA.1 d) according to the standard (cf. as well as the documentation referred to 8 below) (2) The tensile strength of the system is limited by that of the mat. The adhesion of the primer on the concrete is greater than 0.8 MPa. (3) All the systems meet the French classification M3 require by the Fire Safety Regulations in France.			

7. PRODUCTION AND USER DOCUMENTATION

Systems and product datasheets, COURTSOL complete range brochure and other accompanying documents, General Terms and Conditions of Use, appendices following pages.

The performance of the product identified above shall be in accordance with the declared performance. In accordance with EU Regulation No 305/2011, this declaration of performance is the sole responsibility of the manufacturer mentioned above.

Done at VILLENEUVE-LOUBET this 14/09/2021, signed and on behalf of the manufacturer by:

Technical Management/R&D **allios**



Philippe TOUTAIN

ANNEX 1

OUTDOOR MULTISPORTS COATINGS COURTSOL COMFORT / COMFORT FINISH PLUS

DECLARED PERFORMANCE TABLE OF THE PRODUCT (VOLUNTARY STANDARD)				
ESSENTIAL CHARACTERISTICS	SYSTEMS	PERFORMANCES	REQUIREMENTS	TECHNICAL SPECIFICATION
Friction dry (EN 13036-4)	COMFORT	100	80 ≤ G ≤ 110	NF EN 14877 ⁽¹⁾
	COMFORT FINISH PLUS			
Friction wet (EN 13036-4)	COMFORT	65	55 ≤ G ≤ 110	
	COMFORT FINISH PLUS	60		
Shock Absorption (EN 14808)	COMFORT FINISH PLUS	initial: SA 25 ⁽²⁾ aged: SA 26	tennis: ≥ 11 %	
		multisport: 25 – 70 %		
Vertical deformation (EN 14809)	COMFORT	≤ 3 mm	tennis: ≤ 3 mm multisport: ≤ 6 mm	
	COMFORT FINISH PLUS	0,6 mm		
Vertical rebound (EN 12235)	COMFORT	≥ 85%	≥ 85%	
	COMFORT FINISH PLUS	Tennis : 99 % Multisport: 94 %		
Angular rebound (EN 13865)	COMFORT	34 medium	-	
Water permeability (EN 12616)	-	NPD ⁽³⁾	-	
Resistance to wear (EN ISO 5470-1) new	COMFORT	2,00 g	< 4 g	
	COMFORT FINISH PLUS	0,14 g		
Resistance to wear (EN ISO 5470-1) after ageing	COMFORT	4,20 g (failed)		
	COMFORT FINISH PLUS	0,12 g		
Color change (EN ISO 20105-A02)	COMFORT	level 5	≥ level 3	
	COMFORT FINISH PLUS	level 3 - 4		
Tensile strength (EN 12230)	COMFORT	NPD	≥ 0,4 MPa	
	COMFORT FINISH PLUS	new: 0,58 MPa after ageing: 0,56 MPa		
Elongation (EN 12230)	COMFORT	NPD	≥ 40 %	
	COMFORT PLUS	new: 43 % after ageing: 40 %		
Total Thickness (EN 1969 method A)	COMFORT	7 mm ⁽⁴⁾	≥ 7 mm	
	COMFORT FINISH PLUS			

(1) The standard NF EN 14877 is intended to outdoor coatings, but its criteria may be used to describe coating designed to a use as indoor constructions floors, in a less aggressive atmosphere.

(2) For COURTSOL COMFORT FINISH PLUS, and at a lower rate for other coatings (cf. 4 below).

(3) No Performance Determined: impermeable coating (film-forming coating, or non-film-forming coating if thickness > 3 mm) according to NF P 90-110. Check for a sufficient slope (0,8 %) to facilitate the rain water drainage.

(4) The COURTSOL COMFORT or COMFORT FINISH PLUS coating has a nominal thickness of 7 mm or more with an elastomeric mat with a thickness of 4 mm or more, conforming to the practice of tennis. A 10 mm mat is required for multisport compliance

OUTDOOR MULTISPORTS COATINGS
COURTSOL STANDING / STANDING FINISH PLUS

DECLARED PERFORMANCE TABLE OF THE PRODUCT (VOLUNTARY STANDARD)				
ESSENTIAL CHARACTERISTICS	SYSTEMS	PERFORMANCES	REQUIREMENTS	TECHNICAL SPECIFICATION
Friction dry (EN 13036-4)	STANDING	103	80 ≤ G ≤ 110	NF P90-110 (NF EN 14877)
	STANDING FINISH PLUS	99		
Friction wet (EN 13036-4)	STANDING	64	55 ≤ G ≤ 110	
	STANDING FINISH PLUS	-		
Resistance to wear (EN ISO 5470-1) after ageing	STANDING	2,09 g	< 2,5 g (< 4,0 g)	
	STANDING FINISH PLUS	0,5 g		

OUTDOOR MULTISPORTS COATINGS
COURTSOL PRO / PRO FINISH PLUS

DECLARED PERFORMANCE TABLE OF THE PRODUCT ⁽¹⁾				
(VOLUNTARY STANDARD)				
ESSENTIAL CHARACTERISTICS	SYSTEMS	PERFORMANCES	REQUIREMENTS	TECHNICAL SPECIFICATION
Friction dry (EN 13036-4)	PRO	104	80 ≤ G ≤ 110	NF P90-110 (NF EN 14877)
	PRO FINISH PLUS	99		
Friction wet (EN 13036-4)	PRO	62	55 ≤ G ≤ 110	
	PRO FINISH PLUS	63		
Resistance to wear (EN ISO 5470-1) after ageing	PRO	1,03 g	< 2,5 g (< 4,0 g)	
	PRO FINISH PLUS	0,95 g		

OUTDOOR MULTISPORTS COATINGS
COURTSOL TOURNAMENT / TOURNAMENT FINISH PLUS

DECLARED PERFORMANCE TABLE OF THE PRODUCT (VOLUNTARY STANDARD)				
ESSENTIAL CHARACTERISTICS	SYSTEMS	PERFORMANCES	REQUIREMENTS	TECHNICAL SPECIFICATION
Friction dry (EN 13036-4)	TOURNAMENT	100	80 ≤ G ≤ 110	NF P90-110 (NF EN 14877)
	TOURNAMENT FINISH PLUS	NPD		
Friction wet (EN 13036-4)	TOURNAMENT	65	55 ≤ G ≤ 110	
	TOURNAMENT FINISH PLUS	NPD		
Resistance to wear (EN ISO 5470-1) after ageing	TOURNAMENT	1,66 g	< 2,5 g (< 4,0 g)	
	TOURNAMENT FINISH PLUS	NPD		

OUTDOOR MULTISPORTS COATINGS
COURTSOL NL PRO / NL PRO FINISH PLUS

DECLARED PERFORMANCE TABLE OF THE PRODUCT (VOLUNTARY STANDARD)				
ESSENTIAL CHARACTERISTICS	SYSTEMS	PERFORMANCES	REQUIREMENTS	TECHNICAL SPECIFICATION
Friction dry (EN 13036-4)	NL PRO	NPD ⁽¹⁾	80 ≤ G ≤ 110	NF P90-110 (NF EN 14877)
	NL PRO FINISH PLUS	NPD ⁽¹⁾		
Friction wet (EN 13036-4)	NL PRO	NPD ⁽¹⁾	55 ≤ G ≤ 110	
	NL PRO FINISH PLUS	NPD ⁽¹⁾		
Resistance to wear (EN ISO 5470-1) after ageing	NL PRO	NPD ⁽¹⁾	< 2,5 g (< 4,0 g)	
	NL PRO FINISH PLUS	NPD ⁽¹⁾		
(1) Tests in progress.				

ANNEX 2

COATING FOR TENNIS COURTS
COURTSOL NL COMFORT / NL COMFORT FINISH PLUS ⁽¹⁾

DECLARED PERFORMANCE TABLE OF THE PRODUCT (VOLUNTARY STANDARD)				
ESSENTIAL CHARACTERISTICS	SYSTEMS	PERFORMANCES	REQUIREMENTS	TECHNICAL SPECIFICATION
Friction dry (EN 13036-4)	NL COMFORT	NPD ⁽¹⁾	80 ≤ G ≤ 110	NF P90-110 (NF EN 14877)
	NL COMFORT FINISH PLUS	NPD ⁽¹⁾		
Friction wet (EN 13036-4)	NL COMFORT	NPD ⁽¹⁾	55 ≤ G ≤ 110	
	NL COMFORT FINISH PLUS	NPD ⁽¹⁾		
Resistance to wear (EN ISO 5470-1) after ageing	NL COMFORT	NPD ⁽¹⁾	< 2,5 g (< 4,0 g)	
	NL COMFORT FINISH PLUS	NPD ⁽¹⁾		
(1) Tests in progress.				

ANNEX 3

ITF CLASSIFICATIONS (International Tennis Federation)

COURTSOL OUTDOOR / INDOOR SYSTEM		
PRODUCT	ITF CLASSIFICATION	REPORT
STANDING	ITF 3 – MEDIUM	01/02-21-L-LFR-148-A
STANDING FINISH PLUS	ITF 4 – MEDIUM FAST	01/02-21-L-LFR-1207-A
COMFORT	ITF 3 – MEDIUM	01/02-21-L-LFR-143-A
COMFORT FINISH PLUS	ITF 4 – MEDIUM FAST	01/02-21-L-LFR-1207-A
PRO	ITF 3 – MEDIUM	01/02-21-L-LFR-1206-A
PRO FINISH PLUS	ITF 4 – MEDIUM FAST	01/02-21-L-LFR-1207-A
TOURNOI	ITF 3 – MEDIUM	01/02-21-L-LFR-1203-
TOURNOI FINISH PLUS	ITF 4 – MEDIUM FAST	01/02-21-L-LFR-1207-A
NL COMFORT	ITF 3 – MEDIUM	01/02-21-L-LFR-1221-A
NL COMFORT FINISH PLUS	ITF 4 – MEDIUM FAST	01/02-21-L-LFR-1207-A
NL PRO	ITF 3 – MEDIUM	01/02-21-L-LFR-1222-A
NL PRO FINISH PLUS	ITF 4 – MEDIUM FAST	01/02-21-L-LFR-1207-A

ANNEX 4

OTHER INFORMATION:

Quality control: The product identification characteristics correspond to those relevant to the standard specification FD T30-807 by reference to the applicable test standards and correlated methods for factory production control (FPC). This control is carried out according to a quality and environmental management system certified ISO 9001 (2015) and ISO 14001 (2015).

Service life: good operation of the coating, carried out according to the recommendations for use of the system, from 2 years minimum, under normal maintenance conditions, for a service life up to 5 years, depending on the substrates, their exposure and environment and can be extended by maintaining/renovating the coating.

Maintenance of the coating appearance: washing and rinsing with a sponge and cleaning with water under adapted pressure, with biocidal treatment (cf. available technical data sheet of the product) in outdoor.

Maintenance or renovation of the coating: according to the technical user documents (consult us).

Recommendations concerning paint products storage conditions after opening in order to limit the residues formation: clean the lid and the inside sides of each packaging, seal it hermetically and store away from frost, heat and humidity.

Waste processing: packaging and product residues intended to professionals, treatable as non-hazardous ordinary construction waste for paint products (except for solvent based).

GENERAL CONDITIONS OF USE « GCU »:

The concerned product is a manufacturing good – in this case a coating material (or related) defined by NF EN 15804 for construction products and their environmental declarations – the characteristics of which enable to meet the basic requirements for construction works. It is intended to specialized professionals to be incorporated in such works (building or civil engineering). It must be used in accordance with the provided information (with those relating to their components when it comes to a product in kit), and to our general sales conditions. This information is the tests result and carried out controls for a use in compliance with the rules of art: standards, professional rules, regulations, and technical user documents as complement (technical product data sheet, safety data sheet, environmental and sanitary data sheet, requirements specification, private standards NP D, and so on). It is the responsibility of the user to apprehend the concerned surface features for the preparation and execution works, after having ensured that the technical product data sheet has not been modified by a later edition, and that he has the right documents to which they refer, with reference to this declaration of performances « DoP », whether it is required under the regulation (EU) n° 305/2011 « CPR » involving the CE marking, or voluntary in the absence of a harmonized standard or an usable European Assessment Document, but without CE marking. Its implementation, like for the one for coating systems into which it is incorporated, is a common technique. These systems are usually used for the realization of construction or renovation components, but they can be considered as well for renovation works of construction claddings executed by professionals in accordance with relevant user standards or regulations.