

Declaration of Performance

N° DoP: 2022-001 SA03



Unique identification code of the product-type:	BARDOLINE® PRO Opera
Intended use/es:	Bitumen shingles with mineral reinforcement (type 4 X 2), for roof and external wall covering
Manufacturer:	Onduline 5-7 rue Frédéric Clavel 92150 Suresnes - France
System/s of AVCP:	System 3 (Reaction to fire - External fire resistance) System 4
Harmonised standard	EN 544:2011
Notified body/ies:	0497 - CSI S.p.a

Declared performances:

Essential characteristics	Unit	Performance	Harmonised standard
Water permeability (mass of bitumen)	g/m ²	≥1500	EN 544:2011
Height	mm	337 ± 3	
Width	mm	998 ± 3	
Tensile strength (width)	N/50 mm	≥750	
Tensile strength (height)	N/50 mm	≥450	
Nail shank tear resistance	N/50 mm	≥100	
Flow resistance at elevated temperature	mm	<1	
Adhesion of the protective finishing	g	<1.5	
Water absorption	%	<1	
Durability of Mechanical Resistance	Pass/Failed	Pass	
Resistance to Fixing	N	≥100	
Reaction to fire	Class	E	
External fire performance	Class	Broof (t1)	
Dangerous substances	-	NPD*	

(*) NPD : No Performance Determined

The performance of the product identified above is in conformity with the set of declared performances in point 7. This declaration of performance is issued, in accordance with Regulation (EU) N° 305/2011, under the sole responsibility of the manufacturer identified above.

A handwritten signature in blue ink, appearing to read 'MOREL', is written over a horizontal blue line.

Version number : v07

Signed for and on behalf of the manufacturer by

MOREL Grégoire
Managing Director of Onduline
Suresnes, 23.07.2025