



Declaration of Performance

No. ETA 20-1084

In accordance with Regulation (EU) No 305/2011 of the European Parliament and of the Council laying down harmonised conditions for the marketing of construction products (CPR EU 305/2011)

1. Unique identification code of the product-type:

Undercut anchor for Swisspearl façade panels

Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Swisspearl Sigma 8 Pro

2. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Fastener for the rear fixing of façade panels made of fibre cement flat sheets according to EN 12467:2012

3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

Swisspearl Group AG
Eternitstrasse 3
CH-8867 Niederurnen, Switzerland
Email: info@swisspearl.com

4. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

Not applicable

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

AVCP System 2+

- 6a. Name and identification number of the notified body (in case of the declaration of performance concerning a construction product covered by a harmonised standard):

Not applicable

6b. Name and identification number of the Technical Assessment Body (in case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued):

European evaluation document: **EAD 330030-00-0601**
 European Technical Assessment: **ETA 20/1084**
 Technical Assessment Body: **DIBt**
 Notified Body: **MPA Hannover (0764)**

7. Declared performance:

Mechanical resistance and stability (BWR 1)

Essential characteristics	Performance
Characteristic resistance to breakout or pull-out failure under tension load	See Annex C 1
Characteristic resistance to breakout or pull-out failure under shear load	See Annex C 1
Characteristic resistance to breakout or pull-out failure under combined tension and shear load	See Annex C 1
Edge distance and spacing	See Annex C 1
Durability	Corrosion Resistance Class (CRC) III in accordance with EN 1993-1-4:2015
Characteristic resistance to steel failure under tension and shear loads	See Annex C 1

Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire	Class A1

8. Product specification and test methods

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:



Esben Moos

Head of Product Compliance & Application
 Engineering
 Swisspearl Group AG

Niederurnen, 16.01.2024



Joachim Ebenhoch

Global Head of Innovation
 Swisspearl Group AG

Niederurnen, 16.01.2024

Characteristic values of the anchor in façade panels «Swisspearl Largo» according to Table C1

Table C1:

Origin of façade plate			White cement of Niederurnen	Grey cement of Vöcklabruck	Grey cement of Niederurnen
		[-]			
Embedment depth	$h_s =$	[mm]	5,2		
Characteristic resistance	tension load	$N_{Rk} =$	0,75	0,94	0,72
	shear load	$V_{Rk} =$	2,05	2,02	1,61
Edge distance	$a_{rh} / a_{rv} \geq$	[mm]	50/70		
Spacing fixing point	d	[mm]	$100 \leq d \leq 563$		
Characteristic resistance combined value	X	[-]	1,2		
Characteristic resistance steel failure	tension load	$N_{Rk,s} =$	14,0		
	shear load	$V_{Rk,s} =$	7,0		

Swisspearl undercut anchor «Sigma 8 Pro» for façade panels «Swisspearl Largo»

Performance
Charakteristische Tragfähigkeit des Ankers in Fassadenplatten «Swisspearl Largo»

Annex C 1