

## DECLARATION OF PERFORMANCE

No. DEA992000



### Expandet EHI ULTRA Injection Mortar

Intended use or uses of the construction product		
<b>Generic type</b>	<b>Bonded Fasteners for use in Concrete</b>	
Intended use	Bonded fastener Cracked and Un-cracked concrete C20/25 to C50/60 acc. to EN 206	
A	Material	Steel, zinc plated $\geq 5 \mu\text{m}$ acc. to EN ISO 4042:1999 or hot-dip galvanized $\geq 40 \mu\text{m}$ acc. to EN ISO 1461:2009 and EN ISO 10684:2004+AC:2009 Property class 4.6 , 4.8 , 5.8 , 8.8 acc. EN 898-1 & EN 898-2
	Durability	Internal dry conditions
B	Material	A2-50 ; A2-70 ; A2-80 according to EN ISO 3506
	Durability	CRC II
B	Material	A4-50 ; A4-70 ; A4-80 according to EN ISO 3506
	Durability	CRC III
D	Material	Stainless steel 1.4529 & 1.4565: Strength Class 70 according to EN ISO 3506.
	Durability	CRC V
Loading (A,B,C)		Static, quasi-static & seismic.
Fire Resistance		NPD
Fire Reaction		A1 according to EN13501-1

Generic type		Bonded anchor for anchorage of reinforcing bar
Base material		Cracked and Un-cracked concrete C20/25 to C50/60 acc. to EN 206-1:2003
D	Material of reinforcing bar	Class B and C as EN 1992-1-1 Annex C
	Loading	Static, quasi-static & Seismic
Fire Reaction		A1 according to EN13501-1

Service temperature range	I: -40°C to +80°C (max. short term temperature +80°C and max. long term temperature +50°C). II: -40°C to +120°C (max. short term temperature +120°C and max. long term temperature +72°C). III: -40°C to +160°C (max. short term temperature +160°C and max. long term temperature +100°C).
Use category	Category 1 & 2: dry and wet concrete, flooded holes are allowed. Drilling method: Hammer drilling.
ETA – 19/0672 issued by	DIBT
On the basis of	EAD 330499-01-0601
AVCP System	1

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Essential Characteristics	Performance
Characteristic resistance to tension load (static and quasi-static loading)	See Annex C 1, C 2, C 3, C 5, C 7
Characteristic resistance to shear load (static and quasi-static loading)	See Annex C 1, C 4, C 6, C 8
Displacements (static and quasi-static loading)	See Annex C 9 to C 11
Characteristic resistance and displacements for seismic performance category C1 and C2	See Annex C 12 to C 17

The performance of the product identified above is in conformity with the set of declared performance/s.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of KYOCERA SENCO Denmark A/S by:

Place and date of issue: Græsted, 01/09/2020



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