Declaration of Performance for MFP-C42

Version nr. CP04.01

1. Unique identification code of the product	Mast foundation piles. Identification code: MFP-C42	
2. Type-, charge- or serial number etc.	The piles are labeled with: Manufacturer's logo – CE symbol with type- and serial number, production date - type – length – concrete layer - concrete type – optionally extra reinforcement - serial number – bar code with type- and serial number - weight	
3. Intended use	Prefabricated mast foundation piles for electrification of railway- and tram lines.	
4. Manufacturer	Centrum Pæle A/S Teknikervej 1 8722 Hedensted, Denmark	
5. EC certificate	EC certificate no. 0761-CPR-1216	
6. System of AVCP	AVCP 2+	
7. Task of notified body	MPA Braunschweig, id-no 0761, carried out the initial inspection of the factory's production control and has subsequently carried out inspection, assessment, and evaluation of the factory's production control according to system 2+ on a continuous basis. EC certificate no. 0761-CPR-1216	
8. Declared performance		**Reference**
Main reinforcement	Ribbed steel B500B, duct. class B, f_{yk} = 500 MPa	DIN 488 DIN/EN 1992-1-1
Stainless reinforcement	Ribbed steel EN 1.4482, duct. class B, f_{yk} = 700 MPa	DIN 488 DIN/EN 10088-1
Bolts	Steel EN 1.4460, f_{yk} = 450 MPa, M30, M36, M42, M48	
Concrete	Strength class C50/60 Compressive strength f_{ck} = 50 MPa	DS/EN 206 + DK NA DIN EN 1045-2
Concrete cover	60 mm nominal cover for general reinforcement Allowance for deviation Δcdev: 10 mm 30 mm nominal cover for stainless reinforcement.	EN 1992-1-1
Details	Geometric properties, reinforcement details can be found in the project-specific documentation	EN 12794+A1:2007
Angular classification	Class AD1	EN 12794+A1:2007 table 1
Pile classification	Class 1	EN 12794+A1:2007 table 3
Coupling classification	Class A	EN 12794+A1:2007 table 4

9. The performance of the product identified in section 1 and 2, is in accordance with the declared performance in section 8. This declaration of performance is issued on the sole responsibility of the manufacturer listed in section 4.

Signed on behalf of the manufacturer:

Jacob D. Jacobsen, Quality Manager
Vejle, Denmark, 02 May 2023