DECLARATION OF PERFORMANCE

No. 003/01

1. Unique identification code of the product: AOK support

2. Product: AOK support is steel concrete composite beam and infill pour is made on site.

3. Intended use of the product: After erection the AOK support is cast with concrete on site in connection of joint grouting of the hollow core concrete slabs. After the infill concrete of beam and joint concrete pouring of hollow core slabs have reached the required strength AOK support acts as a composite beam.

4. Manufacturing place: Anstar Oy
Villähde

5. Manufacturer: Anstar Oy
Erstantie 2
FI-15540 Villähde, Finland

6. Attestation of conformity system 2+

7. Identification number of the notified body 0416

KIWA Inspecta Sertifiointi Oy has made certification of the factory production control by an approved body based on initial inspection of factory and of factory production control as well as of continuous surveillance, assessment and approval of factory production control.
Factory production control certificate is 0416-CPR-7247-03.

8. -

9. Performance characteristics:

Performance characteristic	**Performance**	**European technical specifications**
Tolerances on geometrical data	EN 1090-2:2018	EN 1090-2:2018
Weldability	Structural steels: EN 10025-2, S355J2 Reinforcement bars: B500B	EN 1090-2:2018 EN 17660-1
Fracture toughness	Fracture toughness 27J -20˚C	EN 1993-1-10
Reaction to fire	Material classified: Class A1	EN 1090-1:2009+A1:2011
Release of cadmium	NPD	EN 1090-1:2009+A1:2011
Emission of radioactivity	NPD	EN 1090-1:2009+A1:2011
Design	Design calculations are made according to standards EN 1992-1, 1993-1, EN 1994-1.	EN 1992-1, EN 1993-1, EN 1994-1
Durability	Surface preparation according to EN 1090-2, preparation grade P1. Surface treatment according to project implementation specification.	EN 1090-2:2018
Structural characteristics		
Load bearing capacity	Resistances: Design according to EN 1991, EN 1992-1, 1993-1, EN 1994-1.	EN 1991, EN 1992-1, EN 1993-1, EN 1994-1
Fatigue strength	NPD	EN 1090-2:2018
Resistance to fire	Calculated value R30-R180 for erected and poured structure.	EN 1992-1, EN 1993-1, EN 1994-1
Manufacturing	According to component specification 010/01-2019 on execution class EXC2 and EXC3. Welding of reinforcement bars according to EN17660-1.	EN 1090-2:2018 EN 17660-1

10. This declaration of performance is given on sole responsibility of manufacturer named on chapter 5.

Villähde 8.1.2021

Tero Viljakainen
Managing director