

EC declaration of conformity Bistål reinforcement

Product description

The product bistål is a welded wire meshwork - ladder type for bed joint reinforcement in masonry for structural applications

<i>Geometri</i>	<i>Type Bi 40 ob</i>	<i>Type Bi 56 ob</i>	<i>Type Bi 40 fz</i>	<i>Type Bi 37 rf</i>
Lenght	4000 mm	4000 mm	4000 mm	4000 mm
Width	28 mm	31 mm	28 mm	27 mm
Wire size longitudinal wire	4 mm	5,6 mm	4 mm	3,7 mm
Wire size cross wire	3x4 mm	3,5x5,5 mm	3x4 mm	3x4 mm
Pitch	95 mm	95 mm	95 mm	95 mm
Effective steel area	25 mm ²	50 mm ²	25 mm ²	21 mm ²
Durability				
Material and material coating reference	Bistål Bs 70 non-coating	Bistål Bs 70 non-coating	Bistål Bs 70 zinc-coated R 13	Bistål Bs 85 stainless steel R 3
Characteristics				
Tensile strength of wire	690 MPa	690 MPa	690 MPa	850 MPa
Longitudinal wire cross wire	690 MPa	690 MPa	690 MPa	850 MPa
Shear load capacity of welds	4.800 N	9.400 N	4.800 N	4.100 N
Lap length and bond strength	300 mm or min. 3 cross wires. 1 cross wire gives 5,6 kN	300 mm or min. 3 cross wires. 1 cross wire gives 6,4 kN	300 mm or min. 3 cross wires. 1 cross wire gives 5,6 kN	300 mm or min. 3 cross wires. 1 cross wire gives 6,4 kN

CE-type testing

SP, Swedish national testing and research institute has as notified body no. 0402, performed type-testing of the products mentioned above according to the requirements in standard EN-845-3:2003 specification for ancillary components for masonry