

TECHINCAL DATA SHEET - BETON ZIG-ZAG STQ3+

DESCRIPTION

Concrete spacers made in a mix design specially developed for civil construction in aggressive and extra aggressive environment.

The specified exposure classes may vary from each project, therefore the used mix design should be evaluated by the customer from the table below.

The concrete spacer is suitable for horizontal reinforcement specially when using reinforcement on rolls. The zig-zag spacer has an embedded 2,5 mm galvanized wire. The narrow-rounded edge can advantageously be put downwards when casting visible concrete. The broader edge can be turned downwards when casting on soft surface, eg. isolation.

The spacers are produced after our own quality plan that can be requested by contacting our technical department on ta@haucon.dk



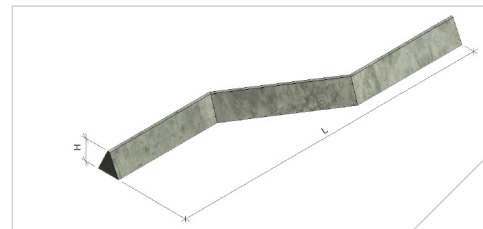
MIX DESIGN

Demands according to appendix F DS 2426 – EN 206-1 Extra aggressive environment

Cement	CEM I 52,5R	Strength [MPa]	> 50
		kg/m ³	> 150
V/C ratio		V/(C+2SF+0,4FA)	< 0,40
Concrete strength	DS/EN 12390-3+AC:2012	Strength [MPa]	28 _{døgn} > 50
Micro silica (SF)		% of binder	≤ 5,0
Flyash (FA)		% of binder	10 – 25
Frost-freeze	DS/CEN/TS 12390-9 (2006)	Flaking [kg/m ²]	m112 = 0,17
Chloride migration	NT BUILD 492:1999	Migration [m ² /s]	< 2,0*10-12
Petographic analysis	DS 423.41-44:2002	Internal stability	Perfect
		Homogeneity	Perfect
		Pasta cracks and binder capability	No cracks
Airvoids structure	EN 480-11: 2005	Air content [vol. %]	> 4,5
		Distance factor [mm]	< 0,20

GEOMETRY

Item no.	Description	Length (L) mm	Height (H) mm
1132100	Beton Zig-Zag StQ3+ 35	800	35
1132105	Beton Zig-Zag StQ3+ 40	800	40
1132110	Beton Zig-Zag StQ3+ 45	800	45
1132115	Beton Zig-Zag StQ3+ 50	800	50
1132120	Beton Zig-Zag StQ3+ 55	800	55
1132125	Beton Zig-Zag StQ3+ 60	800	60



Please note:

The above items are in stock.

All designs of concrete spacers can be produced in mix design StQ3+ with an estimated production time of 4 weeks.

ENVIRONMENTAL CLASS

X0, XC1, XC2, XC3, XC4, XA1, XD1, XS1, XS2, XF2, XF3 XA2, XD2, XD3, XS3, XF4.

CE-MARKING

Concrete spacers are not subject to a harmonized standard and therefore does not have to be CE marked according to Construction Products Regulation No. 305-2011.

Note: We reserve the right to make printing errors. The current version of data is always available at www.haucon.dk or can be requested by contacting our internal sales department. The current revision number is in the top left corner.