

Practical load capacity

Material/ Designation	Concrete C12/15		Concrete ≥C16/20		Solid brick >2.1 kg/dm ³ , fb > 20MPa		Hollow brick >0.9 kg/dm ³ , fb > 12MPa	
	Tension load kg	Shear load kg	Tension load kg	Shear load kg	Tension load kg	Shear load kg	Tension load kg	Shear load kg
GXL 8	50	130	85	150	35	35	15	15
GXL 10	85	135	125	160	45	45	25	25

For concrete: above load values apply for installation with edge distance min. 70 mm and spacing of min. 85 mm.

For hollow brick: above load values apply for installation with edge distance and spacing min. 100 mm. For unloaded edge or top course edge distance min. 250 mm.

For fixing in porous/hollow block materials a pull-out test should be made to produce an applicable Practical load bearing capacity. Pull-out testing can be performed by ESSVE's own staff and is part of our Technical Service.

Countersunk head. Hot dip galvanized (C3)

Area of Application

ESSVE GXL Facade plug is designed for installation in most materials such as lightweight concrete and hollow brick.

(Lightweight concrete is also known as Leca, Ytong, Siporex, Blue concrete), concrete, hollow concrete slabs, natural stone, solid brick, hollow brick and Sandlime brick, etc. It is especially suitable for e.g. stud installation for exterior insulation, installation with pressure-treated wood and installation of interior fittings.

Description

GXL consists of screws and plugs. The plug has a four-part expansion zone. This means expansion becomes greater and more friction is achieved, which creates a very good load value. When

installation in hollow concrete slabs the plug creates a "ball". The plug's length means that expansion takes place at great depth and the load value is further improved, especially in porous materials, if installation is performed as deep as possible.

The facade plug's screw must always be screwed in. The plug's anti-rotation lugs prevent the plug from rotating in the hole during assembly.

The plug is made of first-class newly produced nylon, with a usage temperature from -40°C up to +100°C. The screws are made of steel of strength grade 5.8 or Stainless steel acid proof A4.

Installation

See mounting instructions below.

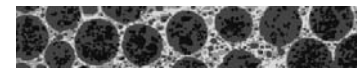
Approval

Installation

Installation in Concrete	Installation in Hollow brick	Installation in Lightweight concrete	Installation in Hollow block
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Specification

	Bright zinc plated (BZP)	Hot dip galvanized (HDG)	Stainless steel
Screw material	Steel (5.8)	Steel (5.8)	Stainless steel
Surface treatment	Bright zinc plated 6 µm	Hot dip galvanized 45 µm	-
Corrosion categories	C1	C3	C5
Plug	Polyamide (nylon)	Polyamide (nylon)	Polyamide (nylon)



Lightweight concrete



Concrete



Brick



Stone material



Hollow brick



ESSBOX

Item no.	Dimension/ detail thickness/ length mm	Bits no	Min. inst. depth mm	Min. drill depth* mm	Drill mm	Max detail thickness mm	ESSBOX size	Qty./p ack
404007	10×100	TX40	70	100	10	30	304	50
404009	10×120	TX40	70	120	10	50	304	40
404011	10×140	TX40	70	140	10	70	304	30
404013	10×160	TX40	70	160	10	90	304	25
404015	10×200	TX40	70	200	10	130	206	25
404017	10×240	TX40	70	240	10	170	206	20

Small package

Item no.	Dimension/ detail thickness/ length mm	Bit no	Min. inst. depth mm	Min. drill depth* mm	Drill mm	Max detail thickness mm	Qty./pack.
513131	10×100	TX40	70	100	8	30	10
513133	10×140	TX40	70	120	8	50	8
513134	10×160	TX40	70	140	8	70	8