

Area of Application

ESSVE Plastic plug is designed for fastening in concrete, brick and stone material.

Description

The plastic plug is colour marked to make it easier to find the right dimensions. The plug is double expanding except at the end by the collar, which prevents crack formation on sensitive

surfaces. Double expansion and the smooth surface give the plug a high bearing capacity. The plastic plug is fitted with wings that prevent it from rotating when driving in. It is made of polyethylene and can withstand temperatures between -50°C and +80°C.



Specification

Material	Polyethylene
Colours	Available in 7 colours

Technical data

Designation	Plug Ø x L mm	Drill Ø mm	Min. drill depth mm	Screw Ø mm
Plastic plug white	5.5x20	5.5	20	3-5
Plastic plug yellow	5.5x25	5.5	25	4-5
Plastic plug red	5.5x35	5.5	40	4-5
Plastic plug brown	8.0x40	8.0	45	5-6
Plastic plug blue	10.0x45	10.0	50	6-8
Plastic plug green	12.0x60	12.0	65	8-10
Plastic plug grey	14.0x70	14.0	78	10-12

Installation

1. Drill holes with a diameter as set out in the Technical data.
2. Push the plug into the hole.
3. Place the object in position and drive in the screw.
4. The installation is finished.

Hook with plastic plug

Item no.	Dimensions mm	Colour	Qty/ pack.	Pack./ large pack.
511130	5.5 x 25	Yellow	2	10
511132	8.0 x 40	Brown	2	10



Practical load capacity

The values apply for the largest screw dimensions according to the table "Technical data".

For long-term loading with a tensile load or for increased temperature, select several and lar-

ger plugs or metal fasteners.

NOTE! It is important that the length of the screw is chosen so that it enters 3-9 mm further in than the plug.

Designation	Concrete C20/25 Tensile load/Shear load kg	Full brick Tensile load/Shear load kN
Plastic plug white	15 / 40	15 / 30
Plastic plug yellow	25 / 50	20 / 40
Plastic plug red	40 / 60	30 / 50
Plastic plug brown	80 / 120	40 / 70
Plastic plug blue	100 / 140	-
Plastic plug green	200 / 300	-
Plastic plug grey	250 / 400	-

Safety factor: tensile load = 6.0 and shear load = 4.5