

**Stronger, safer, more reliable. Tested and approved!**

**Area of Application**

For the installation of windows, glazed sections, interior and exterior doors with frames made primarily of wood, but also plastic and aluminium depending on the frame's prerequisites. Programa PLUS allows subsequent adjustment, which is a significant advantage when the frame, door or wall "sags".

**Description**

ESSVE Programa Plus Frame screw consists of a zinc sleeve with an exterior thread and a

steel screw which can revolve freely in the sleeve. When mounted the frame screw sleeve is fixed in the frame and the screw in the wall. By screwing the sleeve but not the screw, the frame can be adjusted inwards and outwards. Programa Plus Frame screw can be mounted without fixed blocks and provides for fully adjustable and removable mounting without damage to frames or base. Installation with Programa Frame screws improves and facilitates insulation, as the use of mineral wool or jointing foam allows for uninterrupted caulking.



**Right frame screws for right installation**

Length 50 mm	Length 70 mm	Length 90 mm	Length 140 mm
Adapted for joint widths less than 10 mm and when installation occurs in wall joists up to 30 mm.	Standard length for "normal" installation in wood with 0-15 mm joint width.	For joint widths up to 35 mm or for installation in concrete and brick together with plugs	For installation in lightweight concrete and hollow core elements in combination with plugs

**Installation in wood**



- Use Programa Frame screw unhardened.
  - The spacing between the frame and the wall determines the length of frame screw to be used.
  - Installation depth in wooden joists is min. 45 mm.
  - Drill a 14 mm hole straight-through with Frame screw drill DLT 5.
  - For a pre-drilled frame installation is performed directly.
  - Fit the frame screw with Installation key UN-T or KMN.
  - Adjust if necessary with Universal key UN-T or KMN.
  - Cover the hole with a cap in an appropriate colour.
- Tip!** Use KarmFix Programa as an installation tool in wooden wall structures, so there is no need to use wedges.

**Installation in hard materials**

Installation in concrete	Installation in lightweight concrete	Installation in hollow core elements	Installation in hollow brick elements
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- Use Programa PLUS Frame screw unhardened.
- The spacing between the frame and the wall determines the length of frame screw.
- **For concrete/solid brick**  
Length 70 and 90 mm together with N-plug.
- **For hollow brick/lightweight concrete.**  
Length 140 mm with NL or GXL plugs. Take into account the right screw-in depth into the plug.
- The frame is drilled using a Ø 14 mm wood drill. For pre-drilled frames use Centring sleeve C 10 and 10 mm installation or hammer drill.
- The frame screw together with a suitable plug according to the table, is installed using installation key UN-T or KMN.
- Adjust if necessary with Universal key UN-T or KMN.
- Cover the hole with a cap in an appropriate colour.

**Specification**

	Screws	Sleeve
Material	Steel	Zinc alloy
Surface treatment	Bright zinc plated	

## Programa PLUS Frame screw unhardened

### ESSBOX



Item no.	Dimension mm	Max. joint width for wooden joist, mm	ESSBOX size	Qty/ pack.	Pack./ large pack.
111401	50 mm OH	-	204	50	6
111403	70 mm OH	10	204	50	6
111405	70 mm OH	10	304	100	4
111407	70 mm OH (Bucket)	10	BU4	200	1
111409	90 mm OH	35	204	50	6
111411	140 mm OH	85			

### Bulk packages

Item no.	Dimension mm	Max. joint width for wooden joist, mm	Qty/ pack.	Pack./ large pack.
7111403	70 mm OH	10	600	1
7111409	90 mm OH	35	400	1
7111411	140 mm OH	85	300	1

### Difference Programa Plus vs Classic

- Thicker sleeve wall, all round threads and no "kerf".
  - Minimises the risk of the sleeve cracking when overloaded.
- The threads run around the sleeve, which creates a better "grip" in the frame.
  - This means the threads cannot be overtightened.
- The sleeve is equipped with 4 sharp fibre cuts that bite into the fibres of the frame.
  - This gives a finer cut inside the hole and reduces splitting of the hole edges.
- The screw tips have a fibre cut slot.
  - This reduces the risk of splitting when the screw is inserted close to the edge.