

POLITES FIX CONCRETE

Nylon fixing flange with self-tapping screw for concrete supports

Nylon fixing flange coupled with a galvanised steel self-tapping screw ($\phi=7.5$ mm L=100 mm), designed and conceived for fixing *Polites AR 250* mesh to the concrete floors in systems for preventing floor collapsing (*Diathonite Safety System*).

BENEFITS

- Economical kit.
- Can be used on all types of substrates.
- Specifically designed for structural reinforcement in concrete or for applications in timber substrates.
- Easy to assemble.
- Can be used at temperatures in the range of -40.0°C (-40.0°F) to $+80^{\circ}\text{C}$ ($+176.0^{\circ}\text{F}$).
- Excellent rust resistance.
- Unlimited shelf life.
- Flange hole diameter: 8 mm.
- UV-resistant.

COLOUR

Bracket: red.
Self-tapping screw: galvanised.

PACKAGING

Each kit contains 1 pack of 100 nylon fixing flanges and 1 pack of 100 self-tapping steel screws.

YIELD

Not less than 4 pieces per square metre.

FIELDS OF APPLICATION

Kit constituting a robust and economical fastening element in the system for preventing collapse of floors beams, suitable for connecting the mesh *Polites AR 250* to the ceiling of the concrete slab. The nylon fixing

flange is characterised by its clinging surface with improved adherence, for being particularly light, easy to handle, durable, resistant to traction and for the presence of a closing plug in the entry hole of the self-threading screw, which facilitates the levelling operation with products of the Diathonite family.

APPLICATION

The substrate must be dry to allow for an effective seal of the plug. If necessary, carry out a volumetric restoration of the soffit with structural mortar.

1. Drill an 8 mm hole in the floor joists to accommodate the flange;
2. Remove dust and debris that may form when drilling the support;
3. Fix the *Polites AR 250* mesh to the ceiling with the nylon fixing flange, securing it in place using the self-tapping metal screw supplied with the kit.

DRYING TIME

The product does not require a drying time. For information on the drying time of the system in which the *Polites Fix Concrete* is used, please refer to the *Polites AR 250* product data sheet.

SAFETY

Always use personal protective equipment when handling and follow the product's safety data sheet.

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Item	Property	Value	Units
Nylon flange for concrete supports	Flange diameter	58 mm	mm
	Colour	red	-
	Head diameter	11,5 mm	mm
	Screw bending moment	20 Nm	Nm
Steel self-tapping screw for concrete supports	Screw tensile strength	22 kN	kN
	Shear resistance of the screw	12 kN	kN
	Screw torque	30 Nm	Nm
	Screw diameter	7,5	mm
	Screw length	100	mm



ARMATURE – connettori

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