FDT : Hammer Fixing with plastic nail kit for Internal Insulation Panels

Features

The new FDT fixing kit is specifically designed to fix internal insulating walls in extruded polystyrene, aerogel, cork, soft mats (internal thermal coats). The FDT fixing kit is composed of the countersunk-head Nylon plug, the pre-assembled nail in thermoplastic-fiberglass composite for percussion installation and the low-thickness polyamide washer.
The washer allows you to quickly and safely fix insulating panels up to 12 mm thick having a support surface of adequate size.
The washer has a design with a very low encumbrance that allows, once the installation is completed, to facilitate the subsequent phase of applying the mesh and smoothing the plaster.

Advantages

- No metal elements.
- Very low thermal conductivity.
- Resistant to moisture and corrosion.
- Wide temperature range 0°C / +60°C.
- Ease of installation.

Applications

- Cocrete, Solid and perforated brick.
- Maximum thickness insulating panels of 12mm.

Materials

Fixing: Polyamide PA6 (according to REACH and RoHS directives), standard colour grey RAL 7035.

Nail: Fibro-composite with PA6, (according to REACH and RoHS directives), standard color grey RAL 7035.

Washer: Polyamide PA6 (according to REACH and RoHS directives), standart colour grey RAL 7035.

Installation :

1 - Apply the insulation panel to the wall with special adhesives.

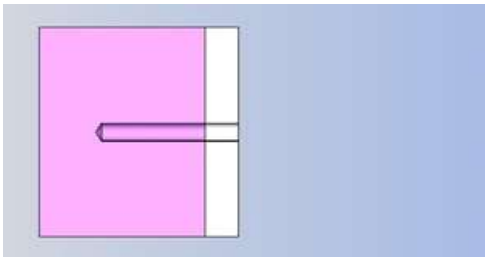
2 - Drill the hole with the appropriate drill diameter for a minimum total depth of 40mm.

3 - Assemble the washer on the fixing as shown in the figure.

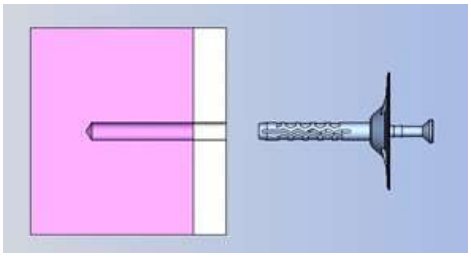
4 - Insert the fixing into the hole.

5 - Hit the head of the nail until the assembly is flush with the panel.

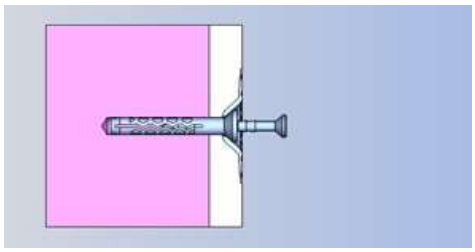
Make the hole



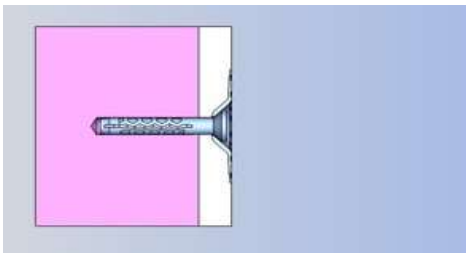
Fixing's position



Insert the fixing



Hit the nail to the end position



Code	Fixing Measures (D x L)	Washer Diameter	Hole Diameter	Maximum fixable thickness	Total drilling depth	Nail (D x L)	Color
	mm	mm	mm	mm	mm	mm	
FDT40x6x40	6x40	40	6	12	45	3.9x40	grey RAL 7035

DoP - Recommended Loads

(1kN = 100 kgF)

Recommended Loads	Nracc (pull-out)		Vracc (shear)
	concrete C20/25	**Hollow brick**	
	Hammer-rotation drilling	Rotation drilling	
	kN	kN	kN
FDT40x6x40	0,15	0,13	0,11

Notes on Loads:

The limit resistance values were determined through tests carried out in the internal BARTOLUCCI laboratory with specific measuring equipment. The recommended resistance values take into account suitable safety coefficients according to the guidelines expressed in the EOTA TR064 document. These values correspond to use with specific static load conditions for each support material. The resistance capacity of an isolated anchor to bending stresses is poor, therefore its application is not recommended.
If there are situations in which there are dynamic stresses, the application must be tested for each specific case as it is very difficult to express general predictions.

Warnings:

The data reported correspond to our current technical and applicative knowledge for an appropriate use of the product and are to be considered, in any case, indicative and general, therefore not binding for the same. It is recommended to carry out a preliminary practical test in order to verify the suitability of the product in relation to the intended use, purpose and its use. The person in charge of the construction site is responsible for verifying the suitability and correct implementation of the products described in this document for the use and purposes it intends.

Packaging

Complete fixing packages fixing and washer.

Code	Pieces / Cartons	Cartons/Master Crt	Cartons / Pallet
FDT40x6x40	100	24	30

Packaging only washer

Code	Pieces / Cartons	Cartons/Master Crt	Cartons / Pallet
FDT40x6x5	200	24	30

EURO Pallets 80x120 , maximum height 1.95 meters.

Notes for correct installation:

The installation method significantly influences the sealing performance of a dry fastening system.
DIAMETER AND EXECUTION OF THE HOLE. The diameter of the hole for housing a plug is indicated in the technical data sheet. Poor stability of the drilling operations can cause oscillations during the execution of the hole, which could result in an excessively ENLARGED, CONICAL and/or OVALIZED hole, a situation that can compromise the sealing performance of the fastening.
QUALITY OF THE SUPPORT. Since plugs are generally used to fix objects with various construction materials, the quality and condition of the materials themselves is fundamental. If the support material is CRACKED or has VOIDS, the sealing action of an expansion plug will be compromised.
CLEANING OF THE SEAT. Even if dry systems are less sensitive to the presence of dust and particulate matter inside the installation site of the anchor than connection systems that use adhesives and/or reactive resins, the installation hole must still be thoroughly cleaned before inserting the anchor. The presence of dust and particulate matter has a negative influence on the adhesion capacity of the fixing with the support.
NON-INTERFERENCE WITH OTHER STRUCTURAL ELEMENTS. During the drilling phases, it is necessary to pay attention to the point where the hole is made, especially in reinforced concrete. If any reinforcement elements, such as reinforcing bars, are intercepted, this may cause damage to the static and/or dynamic performance of the structure itself.

Handling :

Store in the original packaging in a covered and dry place.

Safety Instructions:

According to the current European regulations, the articles in question do not require a Safety Data Sheet (Reg.1906/2007/CE - REACH). During application, the use of gloves, dust mask and protective glasses is recommended. Follow the safety regulations in place in the workplace.