



ard f.lli raccanello s.p.a. paints and enamels industry

TECHNICAL DATA SHEET n° 506

Cod. 9.968.70-90

ardcoat SGR steel

Preassembled dowel with nail in steel

GENERAL CHARACTERISTICS

Percussion dowel for 8 mm holes on concrete, hollow and solid bricks for thermal insulation systems. The head has a 60 mm diameter and is characterised by enhanced adherence. The expansion nail is manufactured in steel and covered by a plastic "thermal break" nail-cover. The stem and ring are manufactured in polypropylene. The dowel is compliant with ETAG014.

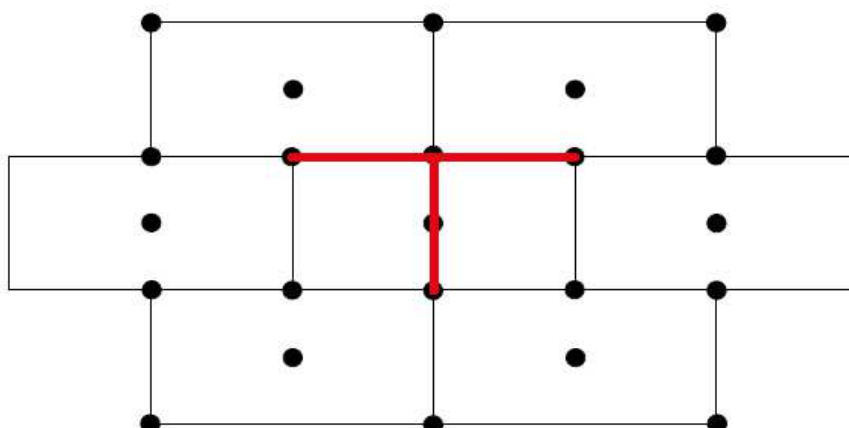


Used for the mechanical anchoring of insulating panels, mineral wool and for all main types of masonry, for the purpose of sustaining the load and tensile stress. The preassembled nail significantly facilitates and speeds up the application of the plugs, allowing the user to save time during installations.

RULES FOR USE

Application

- The dowels must be installed after at least 48 hours from the gluing of the insulation panels. The positioning of the dowels can be applied according to the following dowelling scheme:



- Conserve the dowels in a dry, cool environment, not exposed to intense cold. To not expose to direct sunlight for long periods of time.

TECHNICAL DATA

SGR Dowel Code	Length	Max fixable thickness without plaster	Max fixable thickness with a 2 cm plaster
9.968.0070	110 mm	70 mm	50 mm
9.968.0075	130 mm	90 mm	70 mm
9.968.0080	150 mm	110 mm	90 mm
9.968.0085	170 mm	130 mm	110 mm
9.968.0090	190 mm	150 mm	130 mm

Declared performance:

NRK in the support categories	KN	Technical specification
Cat. A Concrete - C 12/15 (EN 206-1) - C 16/20-C50/60 (EN 206-1)	0,4 0,5	Item 5.4.2 in ETAG 014
Cat. B Solid brick (EN 771-1)	0,6	
Cat. C Hollow brick (EN 771-1)	0,5	
Cat. D LAC Light concrete (EN 1520)	0,5	
Cat. E Aerated concrete (EN 771-4)	0,3	

NRK = Typical resistance to tensile load stress

TECHNICAL SPECIFICATIONS

NAIL DOWELS

Supply and installation of mechanical percussion fixing dowel for 8 mm holes, enhanced-adherence with a 60 mm head and a nail in steel covered with a "thermal break" plastic nail-cover, compliant with ETAG014, used for mechanical anchoring of insulant panels on all types of masonry, for the purpose of sustaining the load and tensile stress, ARDCOAT TASSELLO SGR STEEL type.

Quantity per square metre and positioning of the dowels to be defined by the planner or by the construction management

The data in this report refers to the time of the Quality Control and to normalised environmental conditions. Mechanical resistance levels are measured in standardised conditions which may differ from those in the work site.

Information in this sheet has indicative value, as it is impossible to list the specific conditions for each installation.

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