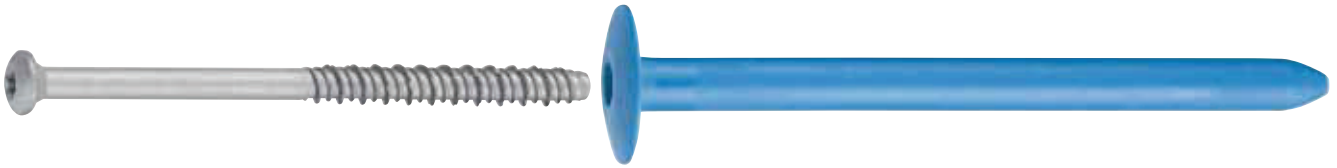


**isotak® TI-T25 / R45****isotak® TI-T25 / R45****Technical information****Application**

For the fastening of waterproof membrane and insulation to solid, dense concrete of minimum grade C12/15.

**Material****Fastener**

- TI-T25  
Case hardened carbon steel

Durocoat® corrosion protection:  
Resistance at 15 cycles Kesternich  
test according to ETAG 006 - D.3.1.  
and FM requirements

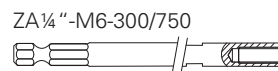
Environment friendly, free of  
chromium VI

**Sleeve**

- R45  
High quality polypropylene, PP

**Tools and accessories****DB 620**

- Electro-pneumatic hammer drill for  
drilling into concrete and masonry

**ZA 1/4"-M6-300/750 / T25-32-M6-RING  
ZH-11-RING****T25-32-M6-RING****ZH-11-RING**

- For the manual installation of  
*isotak®* fasteners and sleeves

**Recommendation for installation**

- Power screwdriver
  - 300 - 700 rpm
  - min. 500 W
- Battery tool
  - 300 - 700 rpm
  - approx. 18V
  - Battery with approx. 2,5 Ah
- Do not use a percussion tool.

Order information

KL clamping length | M magazine loaded | d thread diameter | L Length | t thickness of structure | All measures in mm

Product / Application	Approval	Order code			KL	Application range
		Type	d	L		
<p>■ Carbon steel</p>		TI-T25-	6,3x	32	<p>Sd (Setting depth): min. 20 mm</p> <p>Thickness concrete deck t: min. 40 mm. Concrete quality minimum C12/15. Insulation compressive strength min. 0,07 N/mm<sup>2</sup>.</p> <p>Depth of pilot hole to be 10 - 20 mm deeper than the setting depth, depending on site conditions.</p>	
		TI-T25-	6,3x	50		
		TI-T25-	6,3x	60		
		TI-T25-	6,3x	70		
		TI-T25-	6,3x	80		
		TI-T25-	6,3x	90		
		TI-T25-	6,3x	100		
		TI-T25-	6,3x	120		
		TI-T25-	6,3x	140		
		TI-T25-	6,3x	160		
		<p>● Plastic</p>		R		45x
R	45x			35		
R	45x			65		
R	45x			85		
R	45x			105		
R	45x			135		
R	45x			165		
R	45x			185		
R	45x			195		
R	45x			225		
R	45x			255		
R	45x			285		
R	45x			325		
R	45x			365		
R	45x			405		
R	45x			485		
R	45x			565		
R	45x	645				
R	45x	705				