



1. Identification of the product: **TSS-TPP-TBB (Tapco)**
2. Identification code (art. 11.4): **See Annex I° - for the batch or serial number see packaging.**

3. Intended use:

Generic type	Nailed-in plastic anchor for the fixing of external thermal insulation composite systems with rendering (ETICS) in concrete
Base material	> A: normal weight concrete acc. to EN206
Material of anchor	Sleeve: Polyamide Pa6 acc. to ISO1874 Screw: White zinc plated steel 5µm acc.to EN ISO4042 cl.5.8 acc. to EN ISO 898-1 Stainless Steel A2-50 AISI304 acc. to EN ISO3506-1
Durability	> <u>Zinc plated steel</u> for dry internal conditions > <u>Stainless Steel A2 - AISI304</u>
Loading	Only be used for transmission of wind suction loads and shall not be used for the transmission of dead loads of the ETICS
Fire Resistance	NPD
Fire Reaction	NPD

4. Manufacturer (art. 11.5):
- Friulsider SpA via trieste, 1 - 33048 San Giovanni al Natisone (UD) - Italy**

5. Authorised representative (art. 12.2):
- Not Relevant**

6. System of Assessment AVCP (annex V):
- System 2+**

7/8. Harmonised Specification & Notified Body:

	Name of Body	System of Assessment	Reference	EAD / hEN Document
Technical Specification Document	ZAG ^[TAB]	2+	ETA-10/0190	ETAG014
Factory Product Control	ZAG nr.1404 ^[NB]	2+	1404-CPR-2554	ETAG014

9. Declared Performance:
- See Annex II°**

10. The performance of the product identified in points 1 and 2 is in conformity with declared performance in point 9.

This declaration of performance is issued under the sole responsibility of Friulsider SpA.

Signed for and behalf of the manufacturer by:

Name and functions	Signature	Place and date of issue
Fabrizio Fasan Sales Manager		San Giovanni al Natisone, 26-06-2017

ANNEX I°**TSS Countersunk head + nail screw**

$d_{nom}^{1)}$	$L^{2)}$ [mm]	$t_{fix}^{3)}$ [mm]	Marking	Cod. TSS with screw Zinc plated steel	Cod. TSS with screw Stainless steel A2	Cod. TSS with screw threaded part M6 Zinc plated steel	Cod. TSS with screw threaded part M7 Zinc plated steel
Ø6	40	10	FM -TSS Ø6x40	62200b06040	62203x06040	62202b06040	62204b06040
	50	20	FM -TSS Ø6x50	62200b06050	62203x06050	62202b06050	62204b06050
	60	30	FM -TSS Ø6x60	62200b06060	62203x06060		
	80	50	FM -TSS Ø6x80	62200b06080	62203x06080		
Ø8	60	20	FM -TSS Ø8x60	62200b08060			
	80	40	FM -TSS Ø8x80	62200b08080			
	100	60	FM -TSS Ø8x100	62200b08100			
	120	80	FM -TSS Ø8x120	62200b08120			
	140	100	FM -TSS Ø8x140	62200b08140			

TPP Cilindrical head + nail screw

$d_{nom}^{1)}$	$L^{2)}$ [mm]	$t_{fix}^{3)}$ [mm]	Marking	Cod. TPP with screw Zinc plated steel	Cod. TPP with screw Stainless steel A2
Ø6	40	10	FM -TPP Ø6x40	62700b06040	62701x06040
	50	20	FM -TPP Ø6x50	62700b06050	62701x06050
	60	30	FM -TPP Ø6x60	62700b06060	62701x06060
	80	50	FM -TPP Ø6x80	62700b06080	
Ø8	60	20	FM -TPP Ø8x60	62700b08060	62701x08060
	80	40	FM -TPP Ø8x80	62700b08080	
	100	60	FM -TPP Ø8x100	62700b08100	
	120	80	FM -TPP Ø8x120	62700b08120	
	140	100	FM -TPP Ø8x140	62700b08140	

TBB Large rim + nail screw

$d_{nom}^{1)}$	$L^{2)}$ [mm]	$t_{fix}^{3)}$ [mm]	Marking	Cod. TBB with screw Zinc plated steel	Cod. TBB with screw Stainless steel A2
Ø6	40	10	FM -TBB Ø6x40	62100b06040	62102x06040
	50	20	FM -TBB Ø6x50	62100b06050	62102x06050
	60	30	FM -TBB Ø6x60	62100b06060	62102x06060
Ø8	80	40	FM -TBB Ø8x80	62100b08080	
	100	60	FM -TBB Ø8x100	62100b08100	
	120	80	FM -TBB Ø8x120	62100b08120	
	140	100	FM -TBB Ø8x140	62100b08140	
	160	120	FM -TBB Ø8x160	62100b08140	

¹⁾ Diameter of anchor sleeve; ²⁾ Length of anchor; ³⁾ Thickness fixture max.

ANNEX II°

Declared performances according to ETA-10/0190 - ETAG014				
Design method according to ETAG014				
ESSENTIAL CHARACTERISTICS			PERFORMANCE	
Installation parameters			Ø6	Ø8
d₀	Nominal diameter of drill bit	[mm]	6	8
h_{nom}	Minimum installation depth	[mm]	30	40
h_{min}	Minimum thickness of the concrete member C16/20	[mm]	100	100
h₁	Depth of drill hole to deepest point	[mm]	40	50
s_{min}	Minimum spacing C16/20	[mm]	100	100
c_{min}	Minimum edge distance C16/20	[mm]	100	100
Pull-out failure for use in Concrete				
N_{Rk}	Tension characteristic load in C16/20 to C50/60 24°C ²⁾ / 40°C ³⁾	[kN]	1,2	
γ_M¹⁾	Partial safety factor	[-]	2,0	

¹⁾ In absence of other national regulations, see ETAG 014 point 7.1; ²⁾ Maximum long term temperature; ³⁾ Maximum short term temperature.