

 MASTERPLAST GROUP-INTERNATIONAL www.masterplastgroup.com	TECHNICAL DATASHEET		 ETAG 014
	Thermomaster D-H Anchor		

Product:	Thermomaster D-H Anchor	
Supplier:	MASTERPLAST Kft., 8143 Sárszentmihály, Árpád u. 1/a. (www.masterplastgroup.com)	
Size, packaging:	250 pcs/box	
Application:	For mechanical fixing of the EPS, XPS and mineral wool in external thermal insulation systems with rendering. By planning the necessary quantity of anchor, the national regulations and circumstances (wind-load) must be considered, but minimum 4 pieces/m ² is necessary. The minimum thickness of the wall and the minimum distance among the anchors must be >100mm.	
Material:	White polypropylene sleeve and galvanised steel expansion nail with polyamide cap (PA6)	



Properties of Polypropylene sleeve	Relevant standards	Technical data
Length (L _a)	MDV (Manufacturer's declared value)	95, 115, 135, 155, 175, 195mm
Nominal diameter of sleeve (d _{nom})	MDV	Ø 8mm
Diameter of plate	MDV	60mm
Properties of expansion pin		
Length (L _{nm})	MDV	100, 120, 140, 160, 180, 200mm
Nominal diameter of pin (d _m)	MDV	Ø 4,8 mm
Quality of steel		f _{y,k} = 190MPa, f _{u,k} = 310MPa
Thickness of coating	EN ISO 4042	≥15µm
Properties of anchor		
Nominal diameter of drill bit (d ₀)	MDV	Ø 8mm
Cutting diameter of drill bit (d _{cut})	MDV	≤ 8,45mm
Depth of drill hole (h _r)	MDV	≥ 60mm
Effective anchorage depth (h _{ef})	MDV	≥ 50mm
Tension load (N _{Rk}) in concrete (C12/15, EN 206-1)	ETAG 014	0,4kN
Tension load (N _{Rk}) in concrete (C20/25 - C50/60, EN 206-1)	ETAG 014	0,6kN
Tension load (N _{Rk}) in solid masonry	ETAG 014	0,4kN
Tension load (N _{Rk}) in hollow or perforated units (EN 771-1)	ETAG 014	0,3kN
Tension load (N _{Rk}) in aggregate concrete masonry units (Dense and light-weight aggregates, EN 771-3)	ETAG 014	0,4kN
Tension load (N _{Rk}) in autoclaved aerated concrete masonry units (EN 771-4)	ETAG 014	0,4kN

Storage and handling
Under dry conditions, protected against atmospheric exposure, especially sun-radiation and other heat sources as well as against moisture and rain.

Guarantee, warranty:
In accordance with the current legislations and the conditions of the distributor. The observation of the application rules of the product and presentation of the invoice constitute a prerequisite for possible future warranty claims.


Standards, specifications
Application guidance of Thermomaster A-02 ETICS (Masterplast Group Zrt.)

Health and safety
No labelling required in accordance with the relevant regulation (EC) No. 1907/2006 of the European Parliament and of the Council (REACH).

This datasheet corresponds the current knowledge on the subject, but may be revised as new knowledge and/or experience becomes available. It does not imply any legally binding assurance. The product possesses the given technical characteristics. Since all variations of end-using of the product can not be anticipated, the designer/end-user's responsibility to make sure of the suitability of this underlay for particular purposes, structures.

***This technical datasheet is applied to products sold by Masterplast Kft. and valid until withdrawal or until modification.** Since this datasheet may be subject to revision, it is the responsibility of designer/end-user to make sure of possessing the latest version of the datasheet (*see date of issuing). Most recent version of this datasheet can be also accessed under www.masterplastgroup.com.

Thermomaster-D Anchor

Product:	Thermomaster-D Anchor	
Supplier:	MASTERPLAST Kft., 8143 Sárszentmihály, Árpád u. 1/a. (www.masterplastgroup.com)	
Size, packaging:	250 pcs/box	
Application:	For mechanical fixing of the EPS boards in external thermal insulation systems with rendering. By planning the necessary quantity of anchor, the national regulations and circumstances (wind-load) must be considered, but minimum 4 pieces/m ² is necessary. The minimum thickness of the wall and the minimum distance among the anchors must be >100mm.	
Material:	Polypropylene sleeve with plastic nail	

Properties	Relevant standards	Technical data
Length of anchor	MDV	70, 90, 120, 140, 160, 180mm
Diameter of plate	MDV	60mm
Diameter of sleeve	MDV	10mm
Effective anchorage depth (h_{ef})	MDV	≥ 50mm
Tension load (N_{RK}) in concrete (C12/15, EN 206-1)	ETAG 014	0,25kN
Tension load (N_{RK}) in solid masonry	ETAG 014	0,25kN
Tension load (N_{RK}) in hollow or perforated masonry	ETAG 014	0,15kN

Storage and handling

Under dry conditions, protected against atmospheric exposure, especially sun-radiation and other heat sources as well as against rain.

Guarantee, warranty:

In accordance with the current legislations and the conditions of the distributor. The observation of the application rules of the product and presentation of the invoice constitute a prerequisite for possible future warranty claims.

Standards, specifications

Application guidance of Thermomaster A-02 (Msterplast Group Zrt.)

Health and safety

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