

MIT-SE Plus Mortar for use in concrete



European Technical Approval Option 1 for cracked and non-cracked concrete with anchor rod and with rebar used as anchor



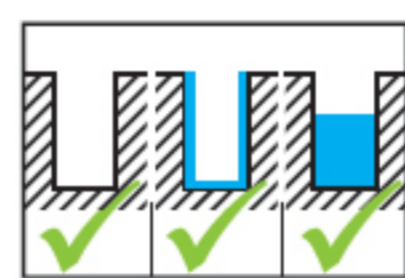
Fire resistance test certification **F30-F240** (Rebar)



VOC FREE according to Swiss legislation and certified A+ according to DEVL 1101903D / DEVL 1104875A



The anchor may also be used under **seismic** influence for performance **category C1**



Application also in damp and **water-filled** drill holes

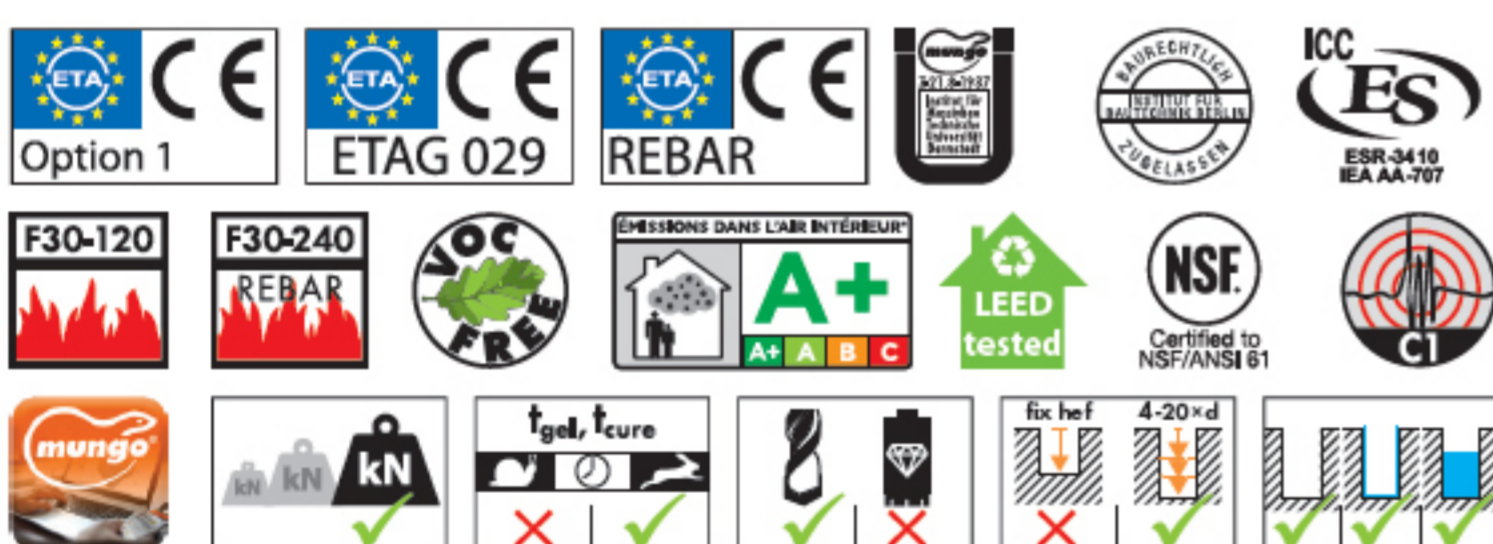
Product:	European Approval	Cartridge Volume	ETA Approval for Cracked Concrete	ETA Seismic C1 Approval Threaded Rod	ETA Flooded Holes Assessment	ETA Approval for Over-head Use	Full Cure Time @ 20°C Dry Concrete	M12 Design Load (N _{Rd})	M16 Design Load (N _{Rd})	M20 Design Load (N _{Rd})	M24 Design Load (N _{Rd})	M30 Design Load (N _{Rd})
								M12 Threaded Stud Class 5.8 Steel 110mm Embedment	M16 Threaded Stud Class 5.8 Steel 125mm Embedment	M20 Threaded Stud Class 5.8 Steel 170mm Embedment	M24 Threaded Stud Class 5.8 Steel 210mm Embedment	M30 Threaded Stud Class 5.8 Steel 270mm Embedment
MIT-SE Plus	Option 1	165ml 280ml 300ml 350ml 400ml 825ml	YES	YES	YES	YES	45 mins	27.6	39.2	62.1	85.3	124.4

Note: The above information has been derived from relevant independent European Approvals and current published information. Calculations have been determined in accordance with SA TS101:2015 following ETAG 01 and TR029 guidelines. All loads are representative off a single anchor installed in a hammer drilled, dry hole remote from an edge in 20MPa non-cracked with a maximum short term temperature of 40 degree celcius. Ramset™ 801 Data obtained from European Assessment ETA16/0283. Hilti™ HIT-HV170 Data obtained from European Assessment ETA14/0457. Please contact Hobson's technical engineering department for specific design applications.



Features

- European Technical Approval Option 1 for cracked and non-cracked concrete with anchor rod and with rebar used as anchor
- European Technical Approval according to ETAG 029 for use in masonry
- European Technical Approval for post-installed rebar connections
- German National Approval for post-installed rebar connections
- ICC-ES Report ESR-3410
- Fire resistance** test certification **F30-F120**
- Fire resistance** test certification **F30-F240** (Rebar)
- VOC FREE** according to Swiss legislation and certified A+ according to DEVL 1101903D / DEVL 1104875A
- LEED - Test Report
- Certification for drinking water systems
- The anchor may also be used under **seismic** influence for performance **category C1**
- Universal mortar for highest loads in almost all building materials
- Fast curing
- Variable setting depth
- Application also in damp and **water-filled drill holes**
- Suitable for overhead fixings
- Styrene free and low odour
- Colour of mortar: grey
- Indoor (zinc plated) and outdoor (stainless steel) applications



Compliant to the assessment requirements of **SA TS 101 2015** – Now **AS 5216**

Applications

post-installed rebar connections, steel constructions, profiles, closing of ceilings, repair works

Temperatures

	-10+6°C	-5+1°C	0+4°C	5+9°C	10+19°C	20+29°C	30+34°C	35+39°C	>40°C
Working time, in minutes (t _{gel})	90	90	45	25	15	6	4	2	1.5
Curing time, dry in minutes (t _{cure})	24 h	14 h	7 h	2 h	80	45	25	20	15
Curing time, wet in minutes (t _{cure})	48 h	28 h	14 h	4 h	160	90	50	40	30

Installation



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