

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:	Europe- an Approval	Cartridge Volume	ETA Approval for Cracked Concrete	ETA Seismic C1 Approval Threaded Rod	ETA Flooded Holes Assess- ment	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})
 MIT-SE Plus		165ml 280ml 300ml 350ml 400ml 825ml	YES	YES	YES	YES	45 mins	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
								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.



Mungo Design software ready for download!

Whether you need anchor calculations for a complex project or on site recommendations including pull out tests - we work together with you to define and optimise fixing solutions.

- User-friendly look and feel
- Optional user prompting and helpful reminders for missing information serve to reduce familiarisation time to a minimum
- The data can be edited either directly in the graphic or in the provided data fields
- Multilingual user interface
- Contact details of companies can be saved to enable these to be used again in subsequent projects
- Online updates: a download of the entire installation package is not necessary when enhancements are released

ONLINE

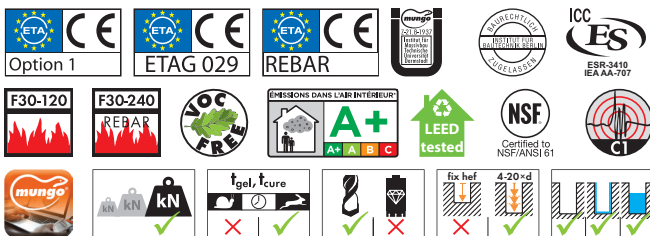
FREE Design software download: hobson.com.au/mungo-software

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MIT-SE Plus Mortar for use in concrete

HOBSON Part prefix: MUCMTSEP <<



MIT-SE Plus


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



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



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