

**MIT700RE Pure Epoxy for highest loads in concrete**

HOBSON Part: MUCMT7001710161 <<



European Technical Assessment guarantees a working life of at least 100 years



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



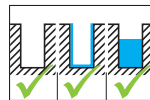
Fire resistance test certification F30-F120 (Rebar)





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 + C2 (M12-M30)



Application also in damp and water-filled drill holes

Product:	European Approval	Cartridge Volume	SATS 101: 2015 Compliant Now AS 5216	Diamond Cored Flooded Holes ETA Assessment	ETA Core Drilled Holes Assessment	Working Time at 20°C Dry	M12 Design Load $N_{rd}$ (kN)	M16 Design Load $N_{rd}$ (kN)	M20 Design Load $N_{rd}$ (kN)	M24 Design Load $N_{rd}$ (kN)
 MIT700RE		585ml	YES	YES	YES	30 mins	M12 Threaded Stud Class 5.8 Steel 110mm Embedment 28.1	M16 Threaded Stud Class 5.8 Steel 125mm Embedment 39.2	M20 Threaded Stud Class 5.8 Steel 170mm Embedment 53.4	M24 Threaded Stud Class 5.8 Steel 210mm Embedment 73.1

Note: The above information has been derived from relevant independent European Approvals. Calculations have been determined in accordance with SA TS 101: 2015 - Now AS 5216 following ETAG 01 and TR029 guidelines. All loads are representative of a single anchor installed in a diamond core drilled, dry/wet hole remote from an edge in 20MPa non-cracked concrete with a maximum short term temperature of 40°C. 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](http://hobson.com.au/mungo-software)

## MIT700RE Pure Epoxy for highest loads in concrete

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# MIT700RE



### Features

- Automatic hole cleaning with the innovative 2in1 Hollow Drill Bit (part of the assessment)
- European Technical Assessment guarantees a working life of at least 100 years
- European Technical Assessment Option 1 for cracked and non-cracked concrete with anchor rod and with rebar used as anchor
- European Technical Assessment for diamond drilled holes in non-cracked concrete
- European Technical Assessment for post-installed rebar connections
- Assessment of resistance under fire exposure F30-F120
- Assessment of resistance under fire exposure (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 + C2
- Long working time for filling of big and deep drill holes
- Variable setting depth
- Application also in wet and water-filled drill holes
- Suitable for overhead fixings
- Colour of mortar: grey Indoor (zinc plated) and outdoor (stainless steel) applications

**Compliant with National Construction Code (NCC) and AS 5216 – Formerly SA TS 101 (2015)**

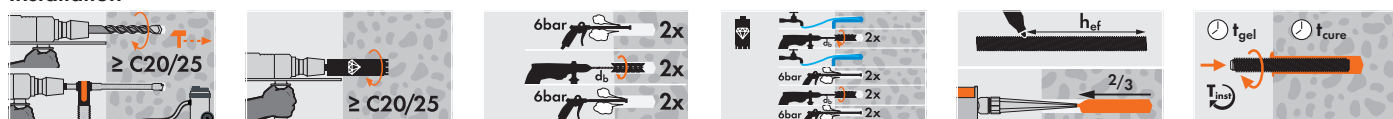
### Applications

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

### Temperatures

	0÷4°C	5÷9°C	10÷14°C	15÷19°C	20÷24°C	25÷34°C	35÷39°C	≥ 40°C
Working time, in minutes ( $t_{gel}$ )	90	80	60	40	30	12	8	8
Curing time, dry in hours ( $t_{cure}$ )	144	48	28	18	12	9	6	4
Curing time, wet in hours ( $t_{cure}$ )	288	96	56	36	24	18	12	8

### Installation



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