

# Parachim METHACRYLAT

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## DESCRIPTION

**PARACHIM Methacrylat** is a two component fixing mortar, styrene free, perfect for all stress-free anchoring in either dry or humid materials. Can be used in hollow and solid material.

## APPLICATION

**PARACHIM Methacrylat** can be used for the fixation of wire-rods, screws, roller shutters, staircase handrails in building material.

**PARACHIM Methacrylat** offers some considerable advantages:

- Styrene free
- Does not shrink
- Can be used in humid circumstances
- Fixation close to the edge or in a corner.
- Can be used at low temperatures (up to -5°C)
- Very fast loading time
- Can be applied with a standard cartridge gun, (do not use a pneumatic air gun).

## INSTRUCTIONS FOR USE

Drill hole and clean with brush, air  
For hollow materials : fit sleeve.  
Insert cartridge in the injection gun and screw on the mixer. Ignore first ten centimeters of the mix until obtaining a homogenous mix. Inject the product and fill 2/3<sup>rd</sup> of the volume.  
Insert stud to bottom of hole whilst rotating clockwise. Make sure the rod is well centered. Remove excess mortar with cloth. After use, take off mixer, clean the lip of cartridge and screw cap on cartridge.

## REMARKS

Make sure that, between 2 anchors, the time the cartridge is not used, does not exceed the open time (see overview). If the open time is exceeded, replace the mixer.  
This product can stain on natural stone; preliminary tests are necessary.

## TIME TO RESPECT

Temperature (°C)	Time	
	Open time	Loading times
-5°C	> 1 hour	7 hours
0°C	1 hour	4 hours
5°C	10 minutes	2 hours
20°C	4 minutes	70 minutes
30°C	1 minute 30	60 minutes

## PACKING

Cartridge 280 ml, Can be used with standard cartridge gun (not with an air gun). 12 cartridges per box / 1080 cartridges per pallet.

## CONSUMPTION

Calculation based on 2/3 filling of the bore hole :

Stud	Bore hole	Depth	Number per cartridge
8 mm	10 mm	80 mm	65
10 mm	12 mm	100 mm	40
12 mm	14 mm	120 mm	24
16 mm	18 mm	160 mm	10
20 mm	22 mm	200 mm	6

## SAFETY DATA

Safety data sheet available on request.

## SHELF LIFE

15 months. Store in a dry place (+5°C tot +25°C). Close the valve after use. This makes re-use of the cartridge easier and extends the shelf life of the product.

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## MAXIMUM LOAD IN HOLLOW MATERIAL

	Hollow brick	Hollow concrete
Tensile strength on wire rod in steel (M8-M10-M12)	0.6 kN	0.9 kN
Shear strength on wire rod in steel (M8-M10-M12)	1.5 kN	1.8 kN

## MAXIMUM LOAD IN SOLID MATERIAL

Maximum load on steel wire rod	Concrete 20/25	Concrete 35/45
M8	Drilling diameter 10 mm Depth min. 80 mm Max load 4 kN	Drilling diameter 10 mm Depth min. 80 mm Max load 7 kN
M10	Drilling diameter 12 mm Depth min. 100 mm Max load 7 kN	Drilling diameter 12 mm Depth min. 100 mm Max load 11 kN
M12	Drilling diameter 14 mm Depth min. 120 mm Max load 10 kN	Drilling diameter 14 mm Depth min. 120 mm Max load 16 kN
M16	Drilling diameter 20 mm Depth min. 160 mm Max load 19 kN	Drilling diameter 20 mm Depth min. 160 mm Max load 31 kN
M20	Drilling diameter 25 mm Depth min. 200 mm Max load 30 kN	Drilling diameter 25 mm Depth min. 200 mm Max load 49 kN