

Injektion-intern

Classification of crack filling materials according to EN 1504-5

The EN 1504-5 classifies injection materials according to their performance characteristics using a code composed of letters and numbers. To facilitate your task in the market and help you argue, we would like to acquaint you with this code based on the example of MC-Injekt 2300 *plus*:

Allowed minimum crack width:

'1' means 0.1 mm minimum crack width, '2' means 0.2 mm etc.

Application temperature, i.e.:

6/35 means
minimum application temperature of 6°C
and maximum application temperature of 35°C

DIN EN 1504-5 Klassifizierung: U (D1) W (1) (1/2/3) (6/35) ()

Intended use:

- F1:** Force fitting / pull-off strength >2 N/mm²
- F2:** Force fitting / pull-off strength > 0,6 N/mm²
- D1:** Ductile filling / tight at 2·10⁵ Pa water pressure
- D2:** Ductile filling / tight at 7·10⁵ Pa water pressure
- S1:** Swelling fitted / tight at 2·10⁵ Pa water pressure
- S2:** Swelling fitted / tight at 7·10⁵ Pa water pressure

Moisture content of the crack:

- 1:** dry
- 2:** damp
- 3:** wet
- 4:** flowing water

Acceptability of daily crack movements (only applicable to force fitting injections):

- 1:** Daily movements exceeding 10% or 0,03 mm during hardening accepted
- 0:** Otherwise

Please note that this code only applies to materials CE certified according to EN 1504-5. As you know, both cement and epoxy based materials can currently not be certified because of requirements of the current norm, which can't be fulfilled due to the nature of those products. The European standard committees are currently working on solutions for this problem. We will keep you informed!

