

DIN EN 413-1:2011-07 (E)

Masonry cement - Part 1: Composition, specifications and conformity criteria

Contents		Page
Foreword		4
Introduction		5
1 Scope		6
2 Normative references		6
3 Terms and definitions		7
4 Notation		8
5 Requirements		8
5.1 General		8
5.2 Constituents and composition		8
5.3 Physical and mechanical requirements		9
5.3.1 Fineness (sieve residue)		9
5.3.2 Initial setting time		9
5.3.3 Final setting time		9
5.3.4 Soundness		9
5.3.5 Fresh mortar requirements		9
5.3.6 Compressive strength		10
5.4 Chemical requirements		10
5.5 Durability requirements		11
6 Standard designation		11
7 Conformity criteria		11
7.1 General requirements		11
7.2 Conformity criteria for physical, mechanical and chemical properties and evaluation procedure		12
7.2.1 General		12
7.2.2 Statistical conformity criteria		12
7.2.3 Single result conformity criteria		16
7.3 Conformity criteria for masonry cement composition		17
the EU Construction Products Directive		19
Bibliography		26
Tables Table 1 -- Composition of masonry cements		9
Table 2 -- Fresh mortar requirements given as characteristic values		10
Table 3 -- Compressive strength requirements given as characteristic values		10
Table 4 -- Chemical requirements given as characteristic values		11
Table 5 -- Properties, test methods and minimum testing frequencies for the autocontrol testing by the manufacturer, and the statistical assessment procedure		13
Table 6 -- Required values of Pk and CR		14

Table 7 -- Acceptability constant	15
Annex A (informative) Water-soluble hexavalent chromium	18
Annex ZA (informative) Clauses of this European Standard addressing the provisions of Table 8 -- Values of cA	16
Table 9 -- Limit values for single results	17
Table ZA.1-- Harmonised clauses	20
Table ZA.2-- System of attestation of conformity	21
Table ZA.3-- Assignment of evaluation of conformity tasks for masonry cement under system 1+ ...	22