

DIN EN 1170:2025-09 (E)

Precast concrete products - Test methods for glassfibre reinforced concrete

Contents		Page
European foreword		3
1	Scope	4
2	Normative references	4
3	Symbols and abbreviated terms	4
4	Sampling and preparation of test pieces	5
4.1	Apparatus	5
4.2	Test coupons	5
5	Bending strength	6
5.1	General	6
5.2	Apparatus	7
5.3	Procedure	7
5.4	Expression of results	9
5.4.1	Deflection and load at the limit of proportionality	9
5.4.2	Deflection and load on failure	10
5.4.3	Deformation and stress	10
5.5	Test report	10
6	Water absorption and dry density	11
6.1	General	11
6.2	Apparatus	11
6.3	Procedure	12
6.3.1	Test pieces	12
6.3.2	Test method	13
6.4	Expression of results	14
6.4.1	Water absorption by immersion	14
6.4.2	Dry density	14
6.5	Test report sheet	14
7	Measurement of extremes of dimensional variations due to moisture content	15
7.1	General	15
7.2	Apparatus	15
7.3	Procedure	15
7.3.1	Test pieces	15
7.3.2	Test method	16
7.4	Expression of results	16
7.4.1	Shrinkage value	16
7.4.2	Expansion value	17
7.4.3	Value of extreme dimensional variations	17
7.5	Interpreting the test	17
7.6	Test report	17
Annex A (normative) Specific parameters related to production methods		19
Annex B (normative) Specific parameters related to test coupons cut from GRC products		20
Annex C (informative) Cyclic ageing type test		21