

DIN EN 16755:2017-12 (E)

Durability of reaction to fire performance - Classes of fire-retardant treated wood products in interior and exterior end use applications

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	6
4	Symbols and abbreviations	6
5	Requirements	6
5.1	Wood products and non-fire-retardant coating systems	6
5.2	Reaction to fire performance	7
5.2.1	Initial classification for reaction to fire	7
5.2.2	Reaction to fire performance before and after accelerated or natural weathering	7
5.3	Durability of reaction to fire performance	8
5.3.1	General	8
5.3.2	DRF Class INT1	8
5.3.3	DRF Class INT2	8
5.3.4	DRF Class EXT	9
5.3.5	Practise to use DRF classes	10
6	Classification report	11
Annex A (normative)	Hygroscopic properties of fire-retardant treated wood products including those with fire-retardant coatings	12
A.1	General	12
A.2	Field of application	12
A.3	Sampling, sample handling and preparation	13
A.3.1	General procedure	13
A.3.2	Procedure for end use products	14
A.4	Test method	14
A.4.1	Principle	14
A.4.2	Equipment	14
A.4.3	Testing environment	14
Annex B (normative)	Accelerated weathering of fire-retardant treated wood for fire testing	17
B.1	General	17
B.2	Field of application	17
B.3	Sampling, sample handling and preparation	17
B.4	Test method	18
B.4.1	Principle	18
B.4.2	Equipment	18
B.4.3	Testing environment	19

Annex C (informative) Example of classification report -- Classification report: Durability classes of reaction to fire performance of fire-retardant wood products in interior and exterior end use applications according to EN 16755:2017	22
Bibliography	26