

ISO 16895:2016-02 (E)

Wood-based panels - Dry-process fibreboard

Contents		Page
Foreword		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Symbols and abbreviated terms	2
5	Classification, designation and coding	3
5.1	General	3
5.1.1	Classification matrices	3
5.1.2	Uses	3
5.1.3	Additional classifications	3
5.1.4	Structural grades	4
5.2	Ultra-low-density fibreboard (UDF)	4
5.3	Low-density fibreboard (LDF)	4
5.4	Medium density fibreboard (MDF)	4
5.5	High-density fibreboard (HDF)	5
6	Tests related to each grade	5
6.1	Mandatory tests	5
6.2	Optional tests	6
7	Thickness ranges	8
8	Expression of specification limits and general requirements	8
8.1	Expression of specification limits	8
8.2	Lower specification limits	8
8.3	Upper specification limits	9
8.4	Moisture resistance requirement options	9
8.5	Density variation, dimension and moisture content requirements	9
8.6	Formaldehyde requirements	10
8.7	Load bearing fibreboard	10
9	Specific property requirements for ultra-low-density fibreboard (UDF-FNREG)	10
10	Specific property requirements for low-density fibreboard	11
10.1	General	11
10.2	Requirements for furniture grade low-density fibreboard for use in dry conditions (LDF-FN REG)	11
10.3	Requirements for building grade low-density fibreboard for use in dry conditions (LDF-BL REG)	11
10.4	Requirements for general purpose low-density fibreboard for use in temperate humid conditions (LDF-GP MR1)	12
10.5	Requirements for furniture grade low-density fibreboard for use in temperate humid conditions (LDF-FN MR1)	12
10.6	Requirements for building grade low-density fibreboard for use in temperate humid conditions (LDF-BL MR1)	13
10.7	Requirements for general purpose low-density fibreboard for use in tropical humid conditions (LDF-GP MR2)	13

10.8	Requirements for furniture grade low-density fibreboard for use in tropical humid conditions (LDF-FN MR2)	14
11	Specific property requirements for medium-density fibreboard	14
11.1	General	14
11.2	Requirements for general purpose medium-density fibreboard for use in dry conditions (MDF-GP REG)	15
11.3	Requirements for furniture grade medium-density fibreboard for use in dry conditions (MDF-FN REG)	15
11.4	Requirements for building grade medium-density fibreboard for use in dry conditions (MDF-BL REG)	15
11.5	Requirements for load bearing medium-density fibreboard for use in dry conditions (MDF-LB REG)	16
11.6	Requirements for general purpose medium-density fibreboard for use in temperate humid conditions (MDF-GP MR1)	16
11.7	Requirements for furniture grade medium-density fibreboard for use in temperate humid conditions (MDF-FN MR1)	17
11.8	Requirements for building grade medium-density fibreboard for use in temperate humid conditions (MDF-BL MR1)	18
11.9	Requirements for load bearing medium-density fibreboard for use in temperate humid conditions (MDF-LB MR1)	18
11.10	Requirements for general purpose medium-density fibreboard for use in tropical humid conditions (MDF-GP MR2)	19
11.11	Requirements for furniture grade medium-density fibreboard for use in tropical humid conditions (MDF-FN MR2)	20
11.12	Requirements for building grade medium-density fibreboard for use in tropical humid conditions (MDF-BL MR2)	21
11.13	Requirements for load bearing medium-density fibreboard for use in tropical humid conditions (MDF-LB MR2)	21
11.14	Requirements for fitments grade medium-density fibreboard for use in high humid conditions (MDF-FN HMR)	22
11.15	Requirements for building grade medium-density fibreboard for use in high humid conditions (MDF-BL HMR)	23
12	Specific property requirements for high-density fibreboard	23
12.1	General	23
12.2	Requirements for general purpose high-density fibreboard for use in dry conditions (HDF-GP REG)	24
12.3	Requirements for building grade high-density fibreboard for use in dry conditions (HDF-BL REG)	24
12.4	Requirements for general purpose high-density fibreboard for use in temperate humid conditions (HDF-GP MR1)	24
12.5	Requirements for building grade high-density fibreboard for use in temperate humid conditions (HDF-BL MR1)	25
12.6	Requirements for general purpose high-density fibreboard for use in high humid conditions (HDF-GP MR2)	25
12.7	Requirements for building grade high-density fibreboard for use in tropical humid conditions (HDF-BL MR2)	26
13	Marking	26
Annex A (normative)	Calculation of 5-percentile and 95-percentile values	28