

DIN EN 12200-1:2016-10 (E)

Plastics rainwater piping systems for above ground external use - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: Specifications for pipes, fittings and the system

Contents		Page
European foreword		4
1	Scope	6
2	Normative references	6
3	Terms, definitions, symbols and abbreviations	7
3.1	Terms and definitions	7
3.2	Definitions of multilayer pipes	8
3.3	Material terms and definitions	9
3.4	Definitions for brackets	9
3.5	Symbols	10
3.6	Abbreviations	10
4	Material	10
4.1	PVC-U material	10
4.2	Other materials	11
4.3	Utilization of non-virgin material	11
4.4	Sealing ring retaining means	11
4.5	Metallic brackets	11
5	General characteristics - appearance	11
6	Geometrical characteristics	11
6.1	General	11
6.2	Dimensions of pipes	11
6.2.1	Diameters of circular pipes	11
6.2.2	Outside dimensions and tolerances of non-circular pipes	12
6.2.3	Effective length of pipes	13
6.2.4	Wall thicknesses of pipes and their sockets	13
6.2.5	Dimensions of sockets	15
6.3	Dimensions of fittings	15
6.3.1	Nominal size(s)	15
6.3.2	Wall thicknesses of fittings	15
6.3.3	Angles	15
6.3.4	Design lengths (Zd)	15
6.4	Diameters and lengths of sockets and spigots	15
6.4.1	Ring seal sockets and spigots	15
6.4.2	Solvent cement and unsealed sockets and spigots	17
6.4.3	Non-circular sockets and spigots	19
6.4.4	Spigot sleeves	19
6.5	Types of fittings	19
6.6	Brackets	22
7	Mechanical characteristics	22
7.1	Pipes	22
7.2	Mechanical characteristics of anchor brackets	24
8	Physical characteristics	25
8.1	Physical characteristics of pipes	25
8.2	Physical characteristics of fittings	26

9 Fitness for purpose of joint and system 26

10 Sealing rings 27

11 Adhesives..... 27

12 Marking..... 27

12.1 General 27

12.2 Minimum required marking of pipes..... 28

12.3 Minimum required marking of fittings..... 28

12.4 Minimum required marking of brackets 29

Annex A (informative) Utilization of non-virgin material 30

A.1 Own reprocessed material..... 30

A.2 External reprocessed and recycled material with agreed specification 30

A.3 External reprocessed and recycled material not covered by an agreed specification 31

Annex B (informative) Survey of possible use of reprocessed and recycled material 33

Bibliography 34