

DIN EN 17670-2:2024-03 (E)

**Plastics piping systems for non-pressure underground conveyance of surface water
- Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene
(PE) - Part 2: Specification for road gullies**

Contents

	Page
European foreword	4
Introduction	5
1 Scope	6
2 Normative references	7
3 Terms and definitions	9
4 Symbols and abbreviations	19
4.1 Symbols	19
4.2 Abbreviations	20
5 Material	20
5.1 General	20
5.2 Compound/formulation for road gully bases	20
5.3 Compound/formulation for road gully risers	21
5.4 Compound/formulation for transition pieces	22
5.5 Compound/formulation for telescopic adaptors	22
5.6 Use of reworked material and recyclates	23
5.7 Sealing ring retaining components	23
6 General characteristics	23
6.1 Appearance	23
6.2 Colour	23
7 Geometrical characteristics	23
7.1 General	23
7.2 Dimensions of road gullies	23
7.3 Dimensions of back inlet and outlet connections to pipework	24
7.4 Depth of water seal	24
7.5 Sand trap volume	24
8 Mechanical characteristics	24
9 Physical characteristics	26
9.1 General	26
9.2 Factory fabricated components	26
10 Performance requirements	27
10.1 General performance	27
10.2 Characterization of rotationally moulded and blow moulded product submitted for performance testing	29
11 Sealing rings	29
12 Adhesives for PVC-U	29

13	Gully tops	29
14	Marking and additional documentation	29
14.1	General	29
14.2	Marking of road gullies or road gully bases	29
14.3	Minimum marking of components other than road gullies or road gully bases	30
14.4	Additional documentation	31
Annex A (normative) Test method for durability		32
A.1	General	32
A.2	Test procedure	32
A.3	Material characteristics	33
Annex B (normative) Test method for impact resistance of road gullies or road gully bases		36
B.1	Test equipment	36
B.2	Test procedure	36
Annex C (normative) Utilization of reworked material and recyclates		37
Annex D (normative) Test method for structural integrity of road gully bases or assemblies		41
Annex E (normative) Test method for dynamic loading		42
E.1	General	42
E.2	Principle	42
E.3	Apparatus (accuracy of test equipment)	45
E.4	Parallel plates	45
E.5	Supporting element	45
E.6	Dimensional measuring device	45
E.7	Load measuring device	45
E.8	Test sample	45
E.9	Conditioning	45
E.10	Procedure	45
E.11	Requirements	46
E.12	Background to dynamic test parameters	46
E.13	Test report	47
Annex F (informative) Relationship between system performance and tested characteristics		48
Bibliography		49