

DIN EN 13598-2:2016-09 (E)

Plastics piping systems for no n-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) - Part 2: Specifications for manholes and inspection chambers

| Contents | | Page |
|--|---|-------------|
| European foreword | | 4 |
| 1 | Scope | 6 |
| 2 | Normative references | 6 |
| 3 | Terms, definitions, and abbreviations | 8 |
| 3.1 | Terms and definitions | 8 |
| 3.2 | Abbreviations | 10 |
| 4 | Material | 10 |
| 4.1 | General | 10 |
| 4.2 | Virgin material for bases | 10 |
| 4.3 | Virgin material for risers and cones | 10 |
| 4.4 | Utilisation of non-virgin materials | 11 |
| 4.5 | Sealing rings | 11 |
| 5 | General characteristics | 12 |
| 5.1 | General | 12 |
| 5.2 | Colour | 12 |
| 6 | Geometrical characteristics | 12 |
| 6.1 | Dimensions | 12 |
| 6.2 | Additional requirements for Manhole Steps and fixed Ladders | 12 |
| 7 | Mechanical characteristics | 13 |
| 8 | Physical characteristics | 15 |
| 9 | Performance requirements | 15 |
| 9.1 | General performance | 15 |
| 9.2 | Characterization of rotationally moulded product submitted for performance testing | 17 |
| 10 | Marking of inspection chambers and manholes and additional documentation | 17 |
| 10.1 | Marking of inspection chamber bases and manhole bases | 17 |
| 10.2 | Marking of components other than bases | 18 |
| 10.3 | Additional documentation | 18 |
| Annex A (normative) Durability of materials used in specific base designs | | 20 |
| A.1 | General | 20 |
| A.2 | Test procedure | 20 |
| A.3 | Evaluation of data | 20 |
| A.4 | Material characteristics | 20 |
| Annex B (normative) Material requirements for materials used in specific shafts and cones | | 22 |
| Annex C (normative) Structural integrity of base | | 24 |

| | | |
|---|--------------------------|----|
| C.1 | General | 24 |
| C.2 | Test procedure | 24 |
| C.3 | Evaluation of data | 24 |
| Annex D (normative) Impact test on manhole or chamber bases | | 25 |
| D.1 | Test equipment | 25 |
| D.2 | Test procedure | 25 |
| Bibliography | | 26 |