# · INSTA-CERT-

## **CERTIFICATE**

 Date of valid edition
 No.

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Conformity marks covered by the certificate



#### Name and address of certificate holder

Nordisk Wavin A/S Wavinvej 1 DK-8450 Hammel Denmark

Information regarding the certificate holder/manufacturer

| Contact person    | Telephone   |  |
|-------------------|---|--|
| Lars J. Baungaard | +45 89 63 64 80                                   |  |
|                   | Email   |  |
|                   | lars.baungaard@wavin.com                          |  |
| Manufacturer      | Place of manufacture                              |  |
| Norsk Wavin AS    | Tyrihjellveien 40, Høland<br>1960 Løken<br>Norway |  |
|                   |   |  |

#### Product covered by the certificate

| Type of product  Plastics piping systems for non-pressure underground drainage and sewerage - Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) | Standard<br>Normative document<br>EN 13476-3 | native document  |    |
|--|--|------------------|----|
| Specification of product   |  |                  |    |
| Pipes  | Diameter                                     | Application area | SN |
|  | 1: 100 mm DN/ID                              | UD               | 8  |
|  | 150 mm DN/ID                                 | UD               | 8  |
|  |  |                  |    |

| Wavin X-Stream structured wall pipes, PP (inside white/outside black)             | 1: 100 mm DN/ID                      | UD               | 8  |
|---|--------------------------------------|------------------|----|
|   | 150 mm DN/ID                         | UD               | 8  |
|   | 200 mm DN/ID                         | UD               | 8  |
|   | 2: 250 mm DN/ID                      | UD               | 8  |
|   | 300 mm DN/ID                         | UD               | 8  |
|   | 400 mm DN/ID                         | U                | 8  |
|   | 500 mm DN/ID                         | U                | 8  |
|   | 3: 600 mm DN/ID                      | U                | 8  |
|   | 1: 160 mm DN/OD                      | UD               | 8  |
|   | 200 mm DN/OD                         | UD               | 8  |
|   | 2: 250 mm DN/OD                      | UD               | 8  |
| Wavin-Rib structured wall pipes, PP (inside white/outside reddish brown or black) | 315 mm DN/OD                         | UD               | 8  |
|   | 400 mm DN/OD                         | UD               | 8  |
|   | 500 mm DN/ID                         | U                | 8  |
|   | 3: 600 mm DN/ID                      | U                | 8  |
| Fittings  | Size group and <i>d</i> <sub>n</sub> | Application area | SN |
| Fitting group 2 The branches are fabricated from X-Stream pipes                   | 2: 300 mm DN/ID                      | UD               | 8  |
|   | 400 mm DN/ID                         | U                | 8  |
|   | 500 mm DN/ID                         | U                | 8  |
|   | 3: 600 mm DN/ID                      | U                | 8  |
|   | 800 mm DN/ID                         | U                | 8  |
| Fitting group 2 The branches are fabricated from Wavin-Rib pipes                  | 2: 400 mm DN/OD                      | U                | 8  |
| Fitting group 2 The branches are fabricated from Wavin-Rib pipes                  | 2: 500 mm DN/ID<br>3: 600 mm DN/ID   | U                | 8  |

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Sealing rings are provided with the pipes.

Approved raw materials and sealing rings are specified in Annex 1 which is confidential.

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MEMBER OF INSTA-CERT

DANCERT A/S

cessen Jørgen Baadsgaard-Jensen

This certificate is electronically signed INSTA CERT CERTIFICATE Revision 10 of 2018-03-21