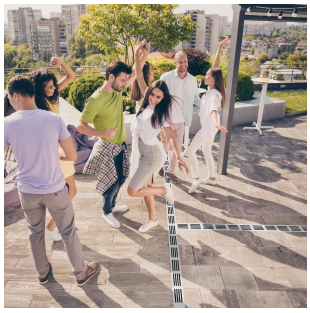
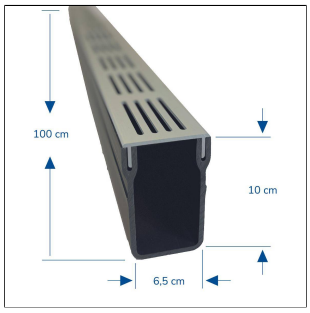
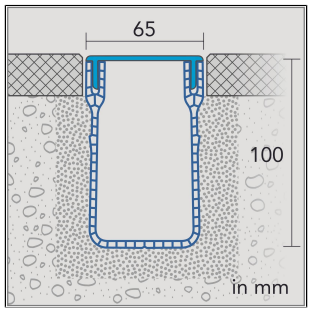
# U-DRAIN PRO 65/105

Drainage channel made of heavy-duty plastic with designer cover made of weather-resistant anodised aluminium






## TECHNICAL DIMENSIONS AND PRODUCT VARIANTS

| | |
|---|---|
| Material | [Aluminium],[PVC] |
| Surface | [powder coated], [anodised] |
| Colour | black, silver |
| Length | 100 cm, 200 cm |
| Height | 50 mm, 100 mm |
| Width mm | 65 mm, 100 mm |

## PRODUCT VARIANTS

| Ident | Height | Surface | Colour | Length |
|---|---|---|---|---|
| UDP 50-100/100 | 50 mm | anodised | silver | 100 cm |
| UDP 50-100/200 | 50 mm | anodised | silver | 200 cm |
| UDP 5033-100/100 | 50 mm | powder coated | black | 100 cm |
| UDP 5033-100/200 | 50 mm | powder coated | black | 200 cm |
| UDP 100-65/100 | 100 mm | anodised | silver | 100 cm |
| UDP 100-65/200 | 100 mm | anodised | silver | 200 cm |
| UDP 10033-65/100 | 100 mm | powder coated | black | 100 cm |
| UDP 10033-65/200 | 100 mm | powder coated | black | 200 cm |

## Data sheet Accessories

Load capacity UDP 100-65: 93.6 kN ≈ 9.4 t
Load capacity UDP 50-100: 63 kN ≈ 6.3 t
Horizontal drain DN 50: 330 l/min
Vertical drain DN 75: 360 l/min
Horizontal drain DN 40: 280 l/min
Vertical drain DN 110: 330 l /min

The following accessories are available:
- Corner piece incl. cover
- T-connector incl. cover
- End cap right/left
- connector
- Horizontal drain DN 50 connection (only UDP 100-65)
- Vertical drain DN 85 connection (only UDP 100-65)
- Vertical drain DN 75 connection (only UDP 100-65)
- Horizontal drain DN 40 connection (only UDP 50-100)
- Horizontal drain multi-flange ø 40 mm / ø 30 mm (only UDP 50-

Please note: For technical reasons, tolerances in color effects of the materials and print are possible.
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We reserve the right to any technical changes if they are in the interest of progress or if they are production-related.

100)
- Vertical drain DN 110 connection (only UDP 50-100)
- Vertical drain multi-flange ø 40 / 50 /63 / 80 mm (only UDP 50-100)
- U-PVC adhesive

## PROPERTIES

Load capacity UDP 100-65: 93.6 kN ≈ 9.4 t
Load capacity UDP 50-100: 63 kN ≈ 6.3 t
Horizontal drain DN 50: 330 l/min
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Horizontal drain DN 40: 280 l/min
Vertical drain DN 110: 330 l /min

## MATERIAL

Aluminium can be used wherever medium mechanical loads are expected. Metal die-cast can be used where low mechanical loads are expected. Contact with alkaline materials (e.g. tile adhesive) can cause discolouration, which is difficult to remove afterwards. High humidity during the drying phase can intensify this process. Always wipe tile adhesive or grout off visible surfaces immediately with plenty of water, then wipe dry and ensure good room ventilation.

PVC is particularly suitable for indoor and outdoor areas with low mechanical stress. The material is solid-coloured and therefore UV-resistant under normal circumstances, but colour differences may occur with constant UV radiation.

Note: When using coloured grout with ultra-fine colour pigments in combination with plastic profiles, irreversible staining of the profiles may occur. We recommend the use of appropriate protective measures.

The suitability with regard to mechanical and chemical resistance must always be checked on a case-by-case basis.

## PROCESSING

1. Dig a foundation. Each U-Drain 50-100 requires a
foundation with a minimum height of 8 cm and a width of 14 cm. U-Drain per 100-65 requires a foundation with a minimum height of 5 cm and a width of 10 cm.

2. Check that all parts for the desired installation are present and lay them out on a straight and clean surface.

3. Determine the drainage location. For vertical drainage, mark the correct position on the back of the channel using the drainage connection. Saw out the marked hole using a hole saw. For vertical drainage, the drainage connection is installed horizontally.

4. Now you can glue the parts watertight with Dural U-PVC adhesive. The channel body, corner pieces and T-pieces are glued with the universal connector. End caps and drain connections are also glued with Dural U-PVC adhesive. Insert the grate after gluing to check the fit. The waiting time to achieve functional stability is approx. 30 minutes (cold welded).

5. Prepare the foundation. The foundation can be made of concrete 1:3, single-grain mortar 1:4 or a gravel bed.

6. Depending on the size of the channel system, lift the bonded channel system without the grating onto the prepared foundation, either alone or with several people. Reinsert the grating and align it. For concrete or single-grain mortar, insert a wedge along the channel to achieve lateral stabilisation.

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7. Once the foundation has hardened, any covering can be applied.

## CARE

Aluminium does not require any special care. If necessary, it can be cleaned with clear, clean water and a few drops of washing-up liquid. Then wipe dry.

Avoid using acidic, alkaline and abrasive cleaning agents.

PVC does not require any special care. If necessary, it can be cleaned simply with clear, clean water and a few drops of washing-up liquid.

Solvent-based and abrasive cleaning agents should be avoided.

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