



# MANHOLE-BASE-LINER

Protective lining made of PP and FRP for concrete manholes



## MANHOLE-BASE-LINER

### MANHOLE BASE-LINER – a product with many possibilities

For special designs, we use glass-fibre-reinforced polymer (GF-UP) based on a hybrid resin composition, which has been tried and tested for decades.



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## PREDL MANHOLE BASE-LINERS AND CONCRETE an ideal combination.

With the PREDL manhole base-liner a **monolithic manhole base is created in the casting process**, which offers a consistent concrete quality in accordance with EN1917.

The cast-in PREDL manhole base-liner permanently protects the concrete in the channel and benching area from the harmful effects of waste water.

The **optimal hydraulic channel guidance** of the manhole base-liner ensures problem-free sewer operation.

The PREDL manhole base-liner can be manufactured in different variants. Including angles, lateral inlets, slope in the channel, asymmetrical channel guidance or height-offset in and outlets.



## EASY PROCESSING

Premium quality manholes due to concrete casting process. PREDL manhole base-liners can be easily processed in any concrete plant.



## INDUSTRIALLY PREFABRICATED STRUCTURE

AS LONG-TERM PROTECTION FOR CONCRETE MANHOLES



- **Minimum wall thickness of 4 mm in the channel**
- **Manhole bells:** Tight and flexible integration of commercially available pipe types Highest corrosion resistance
- **More than 2 million** manhole base-liners sold

The entire range of **manhole base-liners is made of polypropylene and FRP (GF-UP)**. Both materials are characterized by **maximum resistance to chemical and mechanical stresses** (e.g. from water-jetting equipment) and are therefore **perfectly adapted for use in the sewerage**.

## CONVINCING ADVANTAGES



Inlets available in all angles



Channel: smooth and hydraulically optimal



Bounding bridges for a reliable concrete connection



Precast concrete quality according to EN1917



Connection bells: Connection of commercially available pipe types possible



Special sealing system for flexible pipe connection