

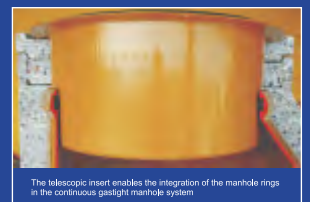
# PREDL-CORPROTECT®



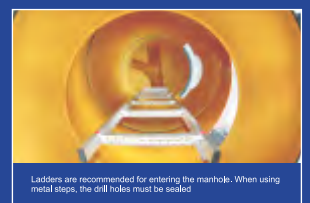
A minimum of 400 studs / m<sup>2</sup> guarantee



A durable bonding to the concrete



The telescopic insert enables the integration of the manhole rings in the continuous gaslight manhole system



Ladders are recommended for entering the manhole. When using metal steps, the drill holes must be sealed



## ...for concrete manholes with the highest requirements

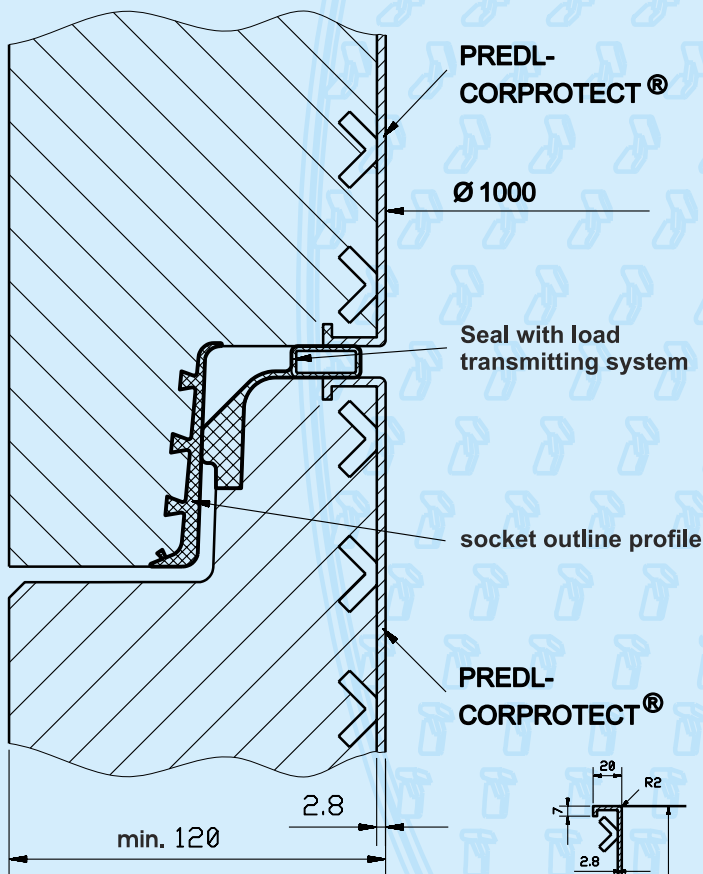
Concrete manholes are continuously subjected to abrasion due to contact with sewage water and its corrosive products. Aggressive agents and deposits leave their marks not only on the channel but also on the rising manhole components (Manhole rings, cones / cover slabs). The biggest problem for modern canal structures are the damaging effects of biological sulphuric acid. This results for the decomposition of the proteins found in the sewage water that create volatile sulphuric components that degrade cement materials systematically as they oxidise on the manhole wall due to various bacteria.

**Protecting the concrete components with PREDL-CORPROTECT® is an alternative solution to manholes produced entirely of plastic:**

- The manhole base is entirely protected with a PP / GRP PREDL® base liner with a vertical side wall that reaches to the first joint.
- PREDL-CORPROTECT® polypropylene in-liners protect manhole rings from corrosion over the long term.
- The protection against corrosion in the cone / cover slab is assured by a GRP in-liner
- The convertible collar complements the manhole rings in the reliable PREDL-CORPROTECT® system for protecting the fully lined manhole.

**PREDL-CORPROTECT® incorporates the advantages of both concrete and plastic manholes. The combination of both materials assures the benefits of stability and local availability as well as a long term protection against sewage water afforded by plastic manholes.**

## PREDL-CORPROTECT®



In order to ensure the required dimensions of the manhole ring are achieved, it is recommended to employ the wet cast process or if dry casting is used, to cure the spigots of the manhole ring. The standard production program of PREDL-CORPROTECT® manhole ring in-liner cover ring heights of 500, 750 and 1000 mm according to DIN V 4034-1 (special length available upon request).



The manufacturing process of PREDL-CORPROTECT® assures a high quality manhole ring spigot profile and allows for a gas-tight manhole lining when using the adapted load transmitting systems and socket outline profiles (drawing).

min. of 400 studs / m<sup>2</sup>

