**Tender Specifications AVK Surface box H-3581 HD-GG [80/34-000]**

**1. Range**

3581 / fixed height 274 mm / PA+

**2. Product description**

**General**

The surface box shall be for installation in roads, sidewalks or green zones to provide access to underground valves in water or gas lines.

**Basic design**

The surface box design shall correspond with AVK surface box H-3581 HD-GG series 80 type 34 variant 000 (STV 80/34-000) or equivalent.

Product shall be a heat resistant, synthetic surface box with a cast iron GJL-250 lid attached to the housing by a stainless steel A2-70 bolt.

Housing shall consist of one part made out of heat resistant PA+ material.

**Features**

Surface box shall have a max. total weight of 7 Kg.

Housing shall be 100% corrosion-free.

Housing and lid shall be designed to ensure easy opening at all times

Surface box housing and lid shall have a heat resistance of at least 250 °C.

Surface box shall meet D400 load bearing capacity, tested by applying flat load on top surface.

Housing shall be equipped with vertical and horizontal ribs for optimal fixation in road.

Crossbar in lid shall be made out of AISI 304 material.

**3. Standards and approvals**

Surface box design shall be according to DVGW DIN 3580 & DIN 3581.

Surface box shall be certified according to DVGW DIN 3581.

Surface box shall meet DVGW VP310-2 requirements.

**4. Sustainability**

Surface box shall have a carbon footprint of max. 12 Kg. Carbon footprint (CO2 emission) shall be calculated by using Lifecycle Assessment method according to ISO 14040-44. Housing to be made of 100% first grind recycled thermoplastic material.

Housing and lid to be 100% recyclable after end of life.

Surface box shall contain no heavy metals or any other contamination.