**Tender Specifications AVK Surface box Purdie HD-GG [80/42-000]**

**1. Range**

Purdie / fixed height 233 mm / HDPE

**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 Purdie HD-GG series 80 type 42 variant 000 (STV 80/42-000) or equivalent.

Product shall be a synthetic surface box with a cast iron GJL-200 lid attached to the housing by a stainless steel A2-70 bolt.

Housing shall consist of one part made out of HDPE material.

**Features**

Surface box shall have a max. total weight of 3 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 160 °C.

Surface box shall meet B125 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.

**3. Standards and approvals**

Impact strength of surface box shall meet DVGW VP310-2 requirements.

**4. Sustainability**

Surface box shall have a carbon footprint of max. 6 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.