Tender Specifications AVK Surface box H-4055P MD-KU [80/30-204]

1. Range
4055P / fixed height 310 mm / PA+

2. Product description
General
The surface box shall be for installation in roads, sidewalks or green zones to provide access to underground hydrants.

Basic design
The surface box design shall correspond with AVK surface box H-4055P MD-KU series 80 type 30 variant 204 (STV 80/30-204) or equivalent.
Product shall be a heat resistant, synthetic surface box with a thermoplastic lid attached to the housing by a stainless steel A2-70 bolt with locking clip.
Housing shall consist of one part made out of heat resistant PA+ material.
Upper shape of housing shall be rectangular.

Features
Surface box shall have a max. total weight of 7 Kg.
Housing and lid shall be 100% corrosion-free.
Housing and lid shall be designed to ensure easy opening at all times
Surface box housing shall have a heat resistance of at least 250 °C.
Surface box shall meet C250 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.
Lid shall be made out of PP GF40 material.
Crossbar in lid shall be made out of A2 material.

3. Standards and approvals
Surface box design shall be derived from DVGW DIN 4055.
Surface box shall be tested according to DVGW VP310-2 requirements.

4. Sustainability
Surface box shall have a carbon footprint of max. 16 Kg. Carbon footprint (CO_2 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.