AVK SURFACE BOXES & ACCESSORIES

EXPECT SUSTAINABLE SURFACE BOXES

SYNTHETIC SURFACE BOXES

AVK Plastics has been involved in the development, manufacturing and sales of synthetic surface boxes to well-known gas and water utilities since 1986. Millions of AVK synthetic surface boxes have been produced and successfully installed all over the world.

Why choose synthetic surface boxes?

- **Lightweight**, ensuring safe and easy handling in compliance with Health and Safety Regulations
- **Maintenance and corrosion free.** Easy access throughout the year; no need to clean or grease seat to protect against corrosion or frost
- **Silent** in traffic zones; synthetic materials absorb noises
- **100% recyclable** and significantly less use of energy resources compared to production of cast iron surface boxes
- **Optimised design**; flexibility in tooling enables suitable designs for each installation and application
- **Locates securely in road;** the ribs in the surface box housing provide a secure fit and remove the risk of movement
- **Various lid inscriptions/colours** available
- **Heat resistant** max. 250 ºC

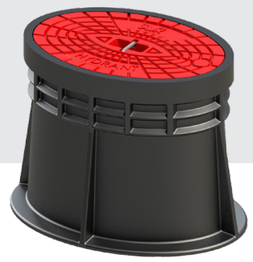
WIDE RANGE OF APPLICATION AREAS

WATER SUPPLY

WASTEWATER

GAS SUPPLY

FIRE PROTECTION



Design and innovation
AVK Plastics uses the latest development software, enabling both 3D engineering and analysis of crucial features before products are actually produced.

Competence in synthetics and extensive material selection studies, combined with automated and continuous processes, guarantee consistent and high quality products. Acting upon customer feedback and demand, AVK Plastics continuously improves existing and introduces new products to meet customer expectation.

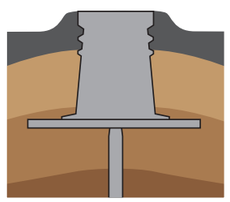
Quality
AVK has earned a reputation for service and quality, and continually strives to satisfy customer expectations. The quality process starts with high acceptance criteria applied to purchasing raw materials, extends to control of production processes, and ends with a comprehensive and precisely defined series of tests and quality evaluations. In this way AVK Plastics ensures that only quality products are released into the market. The Quality Department is equipped with advanced testing and analytical equipment and the Quality Management System is certified according to EN ISO 9001.

Sustainability
Recycled materials are used in the AVK Plastics production process, creating products that last for decades and which can also be recycled at the end of their life. Additionally this, in turn, provides savings in cost, energy and materials. Being ISO 14001 certified, AVK has committed itself to have a strong focus on continuous reduction on the environmental impact. The carbon footprint (CO_2 emission) and the energy consumption of synthetic surface boxes, measured from resource to final product, is significantly smaller compared with the surface boxes made of cast iron making the AVK surface boxes ecologically sound.

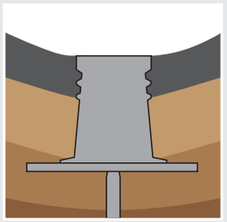
ENVIRONMENTALLY FRIENDLY

HEIGHT ADJUSTABLE OPTIMAL INSTALLATION

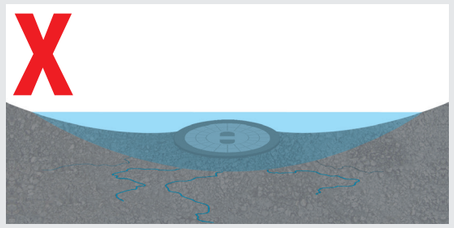
AVK Plastics offers a wide range of height adjustable surface boxes, which are specially designed for tarmac installation. Using height adjustable surface boxes enables easy and precise installation, thanks to flexible positioning of the top part. Height adjustable surface boxes save time and money when roads are renovated and prevent costly corrections after installation.

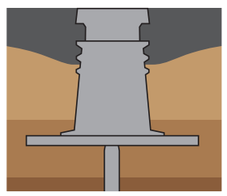


Potential problem (1)
Difficult to align top of surface box with road level causing the box to protrude. The surface box does not follow the road settlement over time, resulting in road damage, disruption and noise pollution.

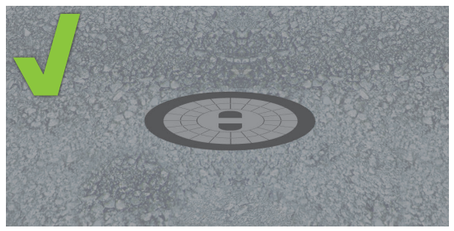


Potential problem (2)
The fixed height surface box is positioned too low, or has sunk over time, due to insufficient support caused by poor compaction of the soil or lacking a support tile.





Perfect installation
Height adjustable top part adapts to road level during installation and also over time.
This ensures a perfect installation and saves time and money.

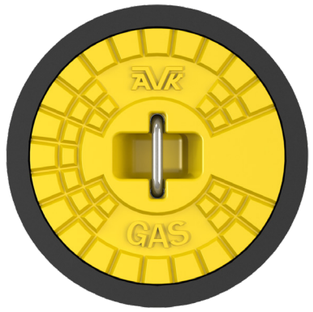


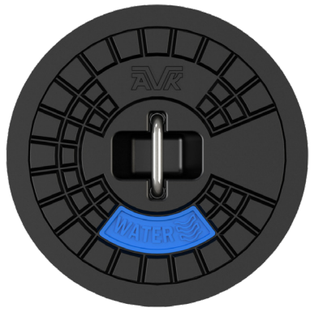
RECOGNISABLE SYNTHETIC LIDS

Synthetic lids have seen a significant increase in demand in a large variety of markets compared to cast iron lids offering many benefits.

Lids made of synthetic materials are light-weight complying with Health and Safety Regulations, corrosion free, unattractive to thieves and more aesthetic making them highly suitable for shopping areas and city centres. AVK synthetic lids are available in bespoke colours for various application areas (gas, water, sewage, fire protection) and with bespoke logos/inscriptions to identify a brand or company.

To prevent the lid from being lifted by the suction of a passing vehicle, the reduced weight is compensated with a locking clip. In cases where surface box lids get covered with snow, leafs or soil, AVK offers a solution making the surface box easily detectable by means of a ferromagnetic detector.



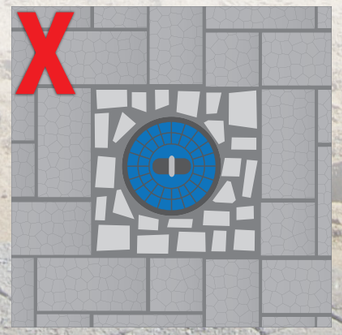


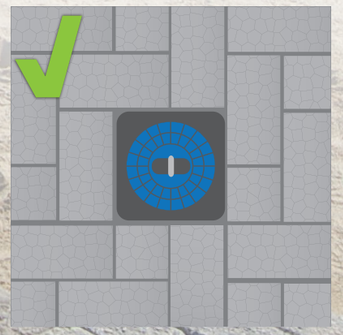
COMPLETE SOLUTIONS

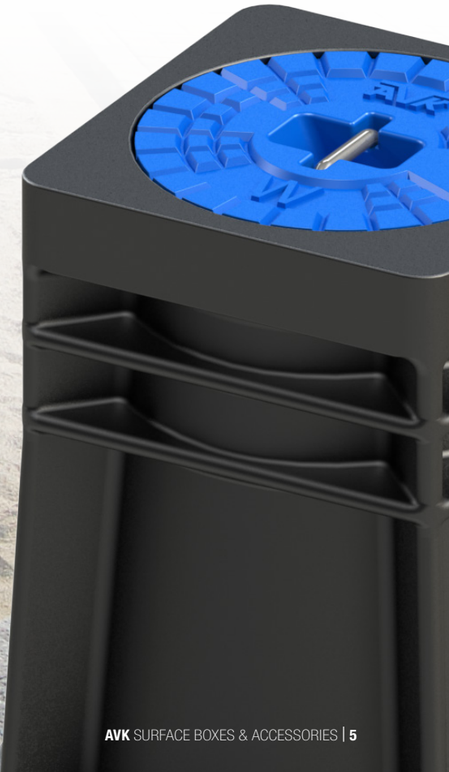
Pavement
AVK Plastics offers a range of square top surface boxes, which are specially designed for pavement installation. The simple and efficient installation of the product saves time and cost and removes the 'mosaic' filling in of spaces afterwards leaving an overall better looking and cleaner site.

Support tiles
AVK support tiles significantly increase the support required by surface boxes in weak soils. They also prevent adjustable extension spindles from being pushed back and secure a centre location of the spindle at all times.

Top frames
AVK top frames protect surface boxes in green zones and improve visibility of the surface box. Compared to concrete top frames, synthetic top frames are light weight. With a top frame grass will not overgrow the surface box and combined with a support tile easy access to valves installed below is guaranteed.







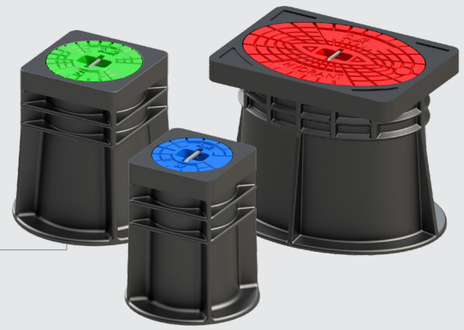
SURFACE BOXES
PRODUCT TYPES

CLASSIC
HEIGHT ADJUSTABLE WITH REINFORCED RIM
- Design derived from DIN/EN
- Special range for tarmac installation
- Strong rim also makes range especially suitable for heavy duty application areas

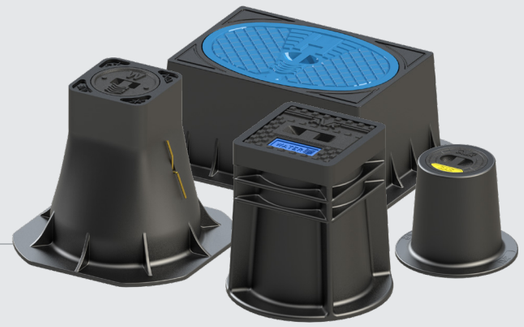
CLASSIC
FIXED HEIGHT
- Design according DIN/EN, DVGW certified
- Cast iron lids available for all surface boxes
- Synthetic lids available for most surface boxes

FUTURA
FIXED HEIGHT AND PAVEMENT
- Design derived from DIN/EN
- Cast iron lids and synthetic lids available
- Range available with round or square top

CLASSIC
PAVEMENT
- Design derived from DIN/EN
- Special range for pavement installation
- Cast iron lids and synthetic lids available



SPECIALS
- Customer specific design
- Surface boxes and lids available in various materials
- Various lid inscriptions possible



CLASSIC
HEIGHT ADJUSTABLE
- Design according to DIN/EN, DVGW certified
- Special range for tarmac installation
- Easy and precise installation
- No costly corrections after installation

ACCESSOIRES
- Wide variety of accessories available
- Enable complete system solutions
- Sustainable solutions extend product lifetime

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