





GRP Ground Ducts and Profiles Product Data Sheet

Product Range	GRP Ground Ducts and Profiles	<p>Image for reference only</p>  
Description	GRP Ground Ducts and Profiles	
Key Features	<p>No corrosion Insulating Easy installation Self-extinguishing with zero Halogen Light and Robust Impact (Lengths) – IK10 (20 Joules) Impact (Fittings) – IK10 (20 Joules)</p>	
Dimensions	250x140mm, 350,175mm 450x176mm	
Material(s)	<p>Glass Reinforced Polyester (GRP) Standard colour RAL7032</p>	
Compliance / Standards(s)	<p>CE & UKCA Marked Low Voltage Directive 2014/35/EU The Electrical Equipment (Safety) Regulations 2016 BS 7671:2018 Refer to sheet 2 for complete list</p>	
Packaging	Recyclable	

IEC 60695-2-12 : 1994 – ASTM D6194, relative to Fire Hazard testing, test methods, Glow wire test and guidance

UL94 – ASTM D635, relative to Fire Hazard testing, test methods, Flammability of plastic materials and guidance

UL723 – ASTM E84, relative to Fire Hazard testing, test methods, Surface burning characteristics of building materials

NF-F-16101, relative to Fire Hazard testing, test methods, Fire behaviour of materials for rolling stock

BS476 part 7, relative to Fire Hazard testing, test methods, Test for surface spread of flame of materials

BS476 part 6, relative to Fire Hazard testing, test methods, Test for fire propagation for materials

DIN 5510-2, relative to Fire Hazard testing, test methods, Protective fire protection in railway vehicles
part 2 : fire behaviour and fire side effects of materials and parts

DIN 4102-part 12:1998-05, relative to Fire Hazard testing, Fire behaviour of building materials and parts,

IEC 61537, relative to requirements and tests for cable tray systems and cable ladder systems intended for the support and accommodation of cables and possibly other electrical equipment in electrical and/or communication systems installations

NEMA FG1: 2006, relative to requirements and tests for cable tray systems and cable ladder systems intended for the support and accommodation of cables

ISO 527-5, relative to requirements and test method of mechanical characterization of composite materials, by measuring the tensile strength at break point and the elasticity modulus

ISO 4892-2, relative to UV resistance characterization of composite materials, with an accelerated ageing test by UV exposure

ISO 4892-2, ISO 9227, relative to the UV and corrosion resistance characterization of composite materials, with an accelerated ageing test by UV and salt spray exposure

IEC 60079-0, relative to the electrostatic characterization of composite materials, by measuring the insulating resistance on surface and the detection of sparks generated after friction, with a relative humidity > 65% and an ambient temperature of 25 °C

IEC 60093, relative to the electrostatic characterization of composite materials by measuring the insulating resistance on surface and the detection of sparks generated after friction, with a relative humidity < 50%