



### Product Number: 30 Intumescent Gasket & Acoustic Covers

#### Description:

An intumescent gasket that fits into BESA boxes, universal conduit boxes, and socket or switch boxes designed to comply with British Standards and IEE Regulations. Where conduits pass through fire-rated ceilings and walls, it is a requirement to terminate each side with a BESA or universal box fitted with intumescent gaskets to stop fire penetrating. It is also a requirement to fit intumescent gaskets in the back of metal switch/socket boxes where they are back-to-back and cables pass through the wall. All dry lining boxes and metal boxes fitted in dry-lining walls must have intumescent gaskets fitted to comply with the 17th Edition IEE Regulations. To comply with Document E of UK Building Regulations (sound-proofing in plasterboard ceilings and walls), acoustic protection must be fitted for both impact and airborne sound. Envirograf® acoustic protection is approved by **Robust Details**.

#### Material Specification:

##### Multigraf Intumescent material chemical constitution

Mineral Wool Fibre	20-70% by weight
Exfoliating Graphite	20-60% by weight
Organic Binder (including adhesive coating)	5.0-30% by weight

##### Sponge properties

Physical form/appearance:	Solid, voluminous material, more or less elastic.
Colour:	Varies according to manufacture.
Specific gravity:	25 kg/m <sup>3</sup>
Solubility in water:	Insoluble
Odour:	None or mild odour
Flash ignition point:	Between 315°C to 370°C
Decomposition temperature:	Above 180°C
Thermal energy:	28 000 KJ/kg
Stability and reactivity:	Stable. No hazardous polymerization will occur in normal use. <ul style="list-style-type: none"><li>• Prolonged exposure to temperatures in excess of 115°C may cause some loss of volatile components (e.g., flame retardants) through evaporation.</li><li>• Unprotected foam will discolour in the presence of UV light with little effect on physical properties.</li><li>• Solvent resistance will vary with solvent type.</li></ul>
Auto-ignition point:	Between 370°C to 427°C (ASTM D 1929)

#### Test Details:

	<u>Integrity</u>	<u>Insulation</u>
Chiltern RF95001	181 Minutes	181 Minutes
Efectis R0106/LKA/TNL	90 Minutes+	N/A