

# ELIMINATOR HOOD DATASHEET

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### Features

- All Glass Re-enforced GRP construction
- Lightweight
- Reliable operation in hostile service conditions
- Self-coloured yellow
- Luminous Yellow-Green Glow in the dark Option
- High background noise attenuation
- Intelligible communications

## “Eliminator” Acoustic Hoods

### Description

The “Eliminator” range of, extremely robust, acoustic hoods have been designed to facilitate reliable two-way speech communications in high ambient noise locations.

The “Eliminator” acoustic hood is manufactured from rot/vandal resistant glass re-enforced polyester which requires no routine maintenance and is light in weight.

The enclosure shell colour is impregnated within the manufacturing process and is therefore protected against ultra violet radiation or other agents that would affect the throughlife colour stability.

The “Eliminator” acoustic hoods are resistant to chemical spillage/vapours and are fire-retardant.

Glass re-enforced polyester is an extremely strong material, consequently the BARTEC VODEC “Eliminator” unit is much more robust than traditional metal fabrications.

The “Eliminator” range includes a choice of background noise attenuation performance depending upon the application. The VE10 and VE100 are high performance units which include a non-hygroscopic rot-proof acoustic absorption barrier integrated into the inner shell of the housing.

#### Luminous (Glow in the dark) Option

Any BARTEC VODEC Eliminator Acoustic Hood is available with an optional addition of luminous pigment in their manufacture. These luminous hoods provide a unique opportunity for users to locate their telephone and intercom stations in the dark during emergency conditions. The Eliminator Hood produces a yellow-green glow, brightest during the first hour and lasting up to 12 hours. The material is inorganic, inert, non-toxic, non-radioactive, odourless and fire resistant.

**Note:** Afterglow intensity is inspected and tested by intensity instrument LS-100, the afterglow brightness is measured under D65 standard light source after being excited for 10 min by 1000 LX.

BARTEC VODEC Luminous Eliminator Hoods require no power supply and offer complete security in a sudden blackout condition.

The use of an “Eliminator” acoustic hood not only provides improved intelligibility of communications but also provides shelter for equipment.

BARTEC VODEC are able to supply, as an option, the “Eliminator” acoustic hood fully loaded with, for example pre-wired flashing beacon, telephone instrument and sounder to client specification.

Both the “Eliminator” VE10 and VE100 feature the BARTEC VODEC patented high performance acoustic inner liner.

The acoustic matting represents a major improvement on out dated rock-wool/mesh fabrications which have limited performance, require specialised health and safety handling during manufacture and are much heavier. The material is fire retardant to class 0, complies with BS476 and is effective over a wide temperature range.

The material is highly stable and is unaffected by sunlight, a special barrier is impregnated during the manufacture which ensures that the complete assembly is totally rot-proof in the most arduous of climatic environments.

## Technical Data

### VE100 Acoustic Booth

#### Temperature range

-50 °C to +70 °C

#### Humidity

up to 100 %

#### Weight

approx. 35 kg

#### Noise attenuation

better than 23.5 dBA

#### Colour (Standard)\*\*

Bright yellow

#### Maximum load weight

20 kg

### VE10 Acoustic Hood

#### Temperature range

-50 °C to +70 °C

#### Humidity

up to 100 %

#### Weight

approx. 15 kg

#### Noise attenuation

better than 21.5 dBA

#### Colour (Standard)\*\*

Bright yellow

#### Maximum load weight

20 kg

### VE1 Acoustic Hood

#### Temperature range

-50 °C to +70 °C

#### Humidity

up to 100 %

#### Weight

approx. 13 kg

#### Noise attenuation

better than 9 dBA

#### Colour (Standard)\*\*

Bright yellow

#### Maximum load weight

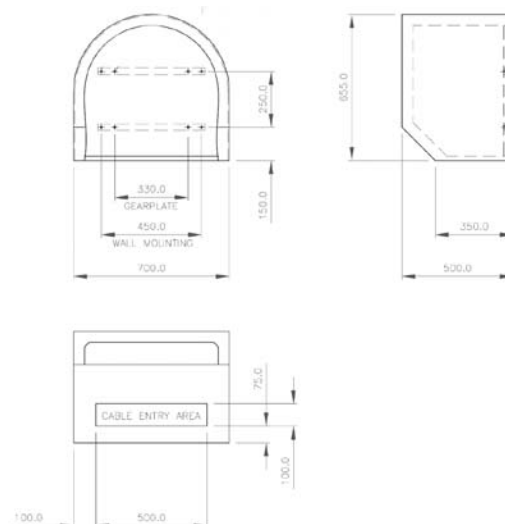
20 kg

\*\*Other standard RAL colours are available at customers request (based on minimum quantities)

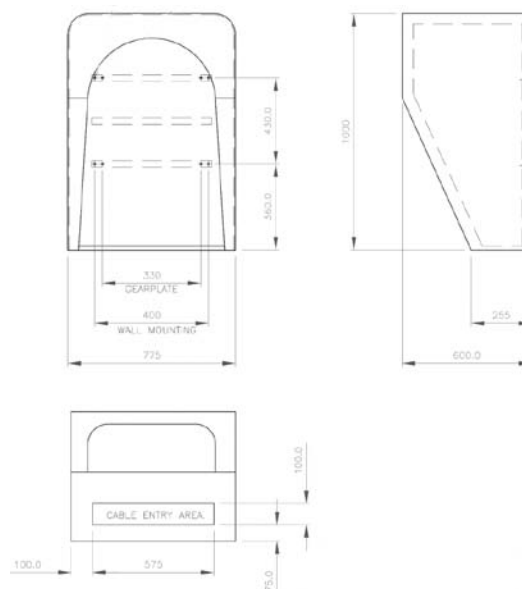
## The parameter of the photoluminescent pigment

	Glowing colour	Afterglow intensity (mcd/m²)			Glowing time
		1 min.	5 min.	10 min.	
Luminous option	Yellow-green	620 ± 5%	585 ± 5%	315 ± 5%	12 h

## Dimensions VE1, VE10



## Dimensions VE100



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