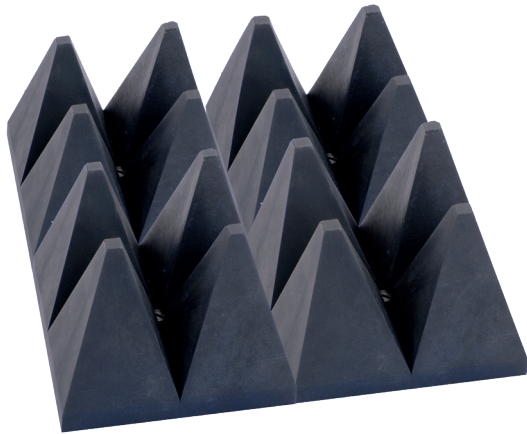


# WIDE BAND HYBRID PYRAMID EM ABSORBERS 3630

For the construction of a small anechoic chamber to get a larger space than one could build with pyramid-shaped absorbers



The 3630 series Wide-band hybrid pyramid EM absorber is an 80 mm high absorber that measures 200 mm x 200 mm. It shows good absorption performance in the wide band between 30 MHz and 18 GHz when combined with 6.3 mm thick Ferrite absorber tiles (Part nr. 3600-63). The hybrid pyramid absorber is made out of ferrite and carbon powder and is tuned for perfect performance over Ferrite absorber tiles.

Due to this special characteristic, the product is suitable for building a small anechoic chamber to get a bigger space than build with form pyramidal absorber. Also, it can increase the frequency from 1GHz to 18GHz as compared to a standard anechoic chamber that only has Ferrite absorber tiles.

## STRUCTURE & SPECIFICATIONS

|                              |                       |
|------------------------------|-----------------------|
| Color                        | Dark gray             |
| Shape                        | Pyramid               |
| Main material                | Ferrite powder        |
| Power Handling Capacity      | 1.8 kW/m <sup>2</sup> |
| Max service temperature (°C) | 150                   |
| Fire retardance              | Non-flammable         |

## PART NUMBERS AND DIMENSIONS

| Part number  | Pyramid quantity per unit | Unit size A * C * B (mm x mm x mm*) | Standard weight (kg/m <sup>2</sup> ) | Type        |
|--------------|---------------------------|-------------------------------------|--------------------------------------|-------------|
| 3630-200-80  | 16                        | 200 x 200 x 80                      | 2.11                                 | Single unit |
| 3630-200-250 | 4                         | 200 x 200 x 250                     | 3.24                                 |             |

## ORDER EXAMPLE

|             |            |  |
|-------------|------------|--|
| Series      | Width (mm) | Height (mm)                              |
| <b>3630</b> | <b>200</b> | <b>80 : 80 mm</b><br><b>250 : 250 mm</b> |

## FEATURES

- Performs very well in wide band (30MHz to 18GHz)
- Small size (200 x 200 x 80mm)
- Long service life
- Only 8 cm high, so room space can be used efficiently
- So strong that an adult can stand on it
- Does not deteriorate even if it gets wet
- 10 times more durable than conventional products
- By slant molding, stable quality is assured
- Easy to install on wall surfaces without adhesives being required

## APPLICATIONS

- Electromagnetic-wave anechoic chambers
- Compact EM-wave anechoic chambers
- Floor-type electromagnetic-wave absorbers
- Installation on shielded doors
- Suitable for EMS high-power irradiation test
- Suitable for small anechoic chamber (approximately 3 meters)
- Anechoic chambers for antenna
- For actual use in various GHz bandwidth

## SHIELDING PERFORMANCE

