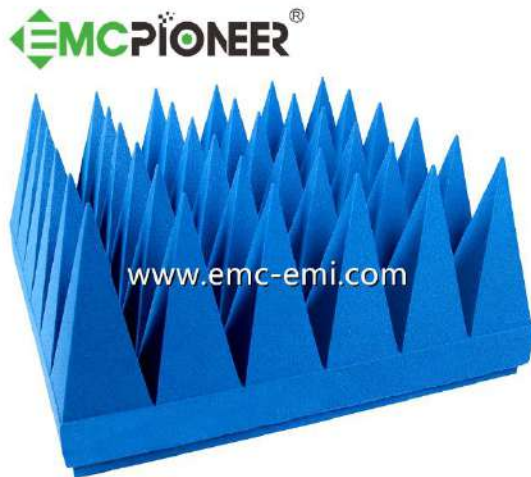


# Hybrid Foam Absorber

The Hybrid foam absorber is matched with ferrite tile, good performance at 30MHz~40GHz. PE-HY series shape is pyramidal, PE-HYT series shape is truncated pyramidal.



Pyramidal hybrid foam absorber



Truncated hybrid foam absorber

## Basic composition:

Carbon and retardant chemicals loaded polyurethane foam.

## Feature:

Variable thickness broadband, flexible, workable in a wide frequency from 30MHz to 40GHz.

## Retardancy:

NRL report 8093 I, II, and III

## Working temperature:

-50°C ~ + 80°C or -85°F ~ 176°F

## Base size:

334\*334mm for HYT-800/HY-1000, 600\*600mm for others.

## Color:

Light blue or according to customers' demand

## Physical and Electrical Property (matched with ferrite tile)

Model Name	Height (mm)	Base size (mm)	Vertical incident maximum reflectivity $R_w$ (-dB) at specific frequency (GHz) when match with ferrite tile							
			0.03	0.1	0.5	1	5	10	15	40
PE-HY-300/ PE-HYT-240	300/ 240	600*600	12	14	15	17	20	25	30	40
PE-HY-500/ PE-HYT-400	500/ 400	600*600	14	16	20	20	22	25	35	40
PE-HY-1000/ PE-HYT-800	1000/ 800	334*334	18	20	25	35	40	40	40	40

\*T---truncated pyramidal foam absorber

## Applications:

1. Used for 3 meters, 5 meters, 10 meters EMC chamber
2. Truncated pyramidal hybrid absorber is got by cutting the pyramidal hybrid absorber by 20% to improve the performance of low frequency.

## Installations:

1. Generally neoprene contact adhesive is recommended for installation.  
 Firstly, draw grids according to the base size of applied absorbers.  
 Then adhesive is brushed on the substrate and wait till it dry to tack-free.  
 Then apply the adhesive to the back of absorber and wait for a short while.  
 Finally press absorber onto the substrate.
2. Velcro also can be used.
3. Polystyrene tiles can be used as covers for perfect appearance.