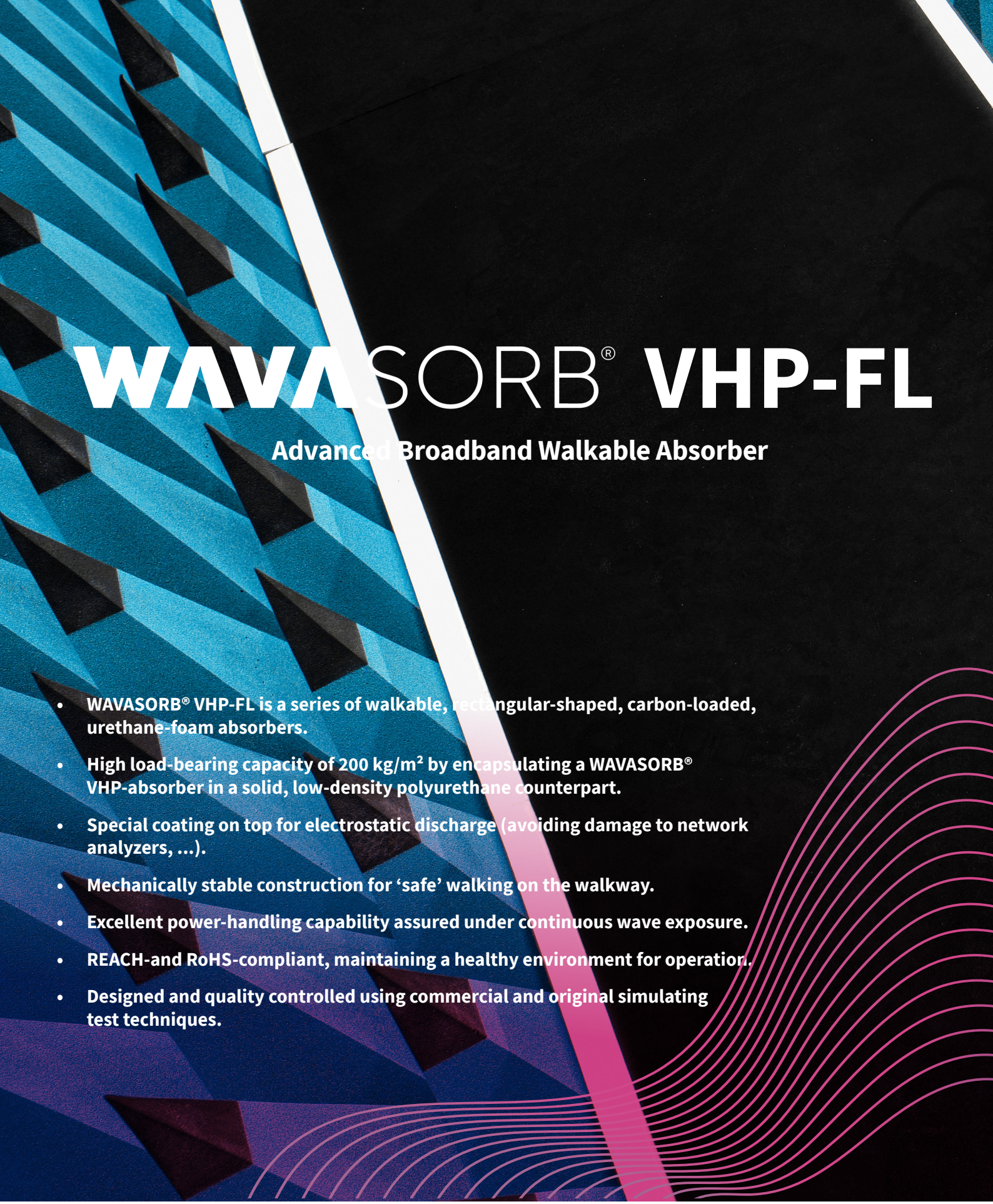

WAVASORB® VHP-FL

Advanced Broadband Walkable Absorber

- WAVASORB® VHP-FL is a series of walkable, rectangular-shaped, carbon-loaded, urethane-foam absorbers.
- High load-bearing capacity of 200 kg/m² by encapsulating a WAVASORB® VHP-absorber in a solid, low-density polyurethane counterpart.
- Special coating on top for electrostatic discharge (avoiding damage to network analyzers, ...).
- Mechanically stable construction for 'safe' walking on the walkway.
- Excellent power-handling capability assured under continuous wave exposure.
- REACH-and RoHS-compliant, maintaining a healthy environment for operation.
- Designed and quality controlled using commercial and original simulating test techniques.

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WAVASORB® VHP-FL

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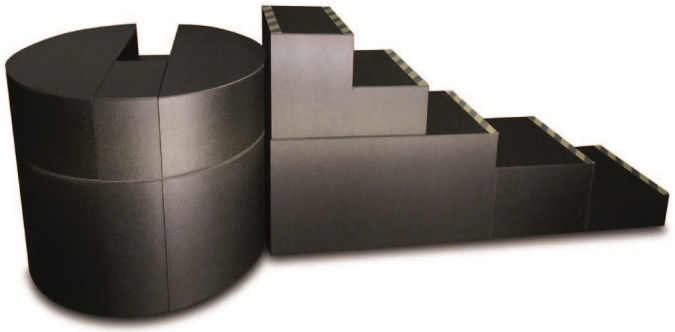
ANECHOIC CHAMBERS

Manufacturing & installation methods

WAVASORB® VHP-FL is:

- made from a rigid low-density polyurethane counterpart, transforming WAVASORB® VHP into a robust walkable version, available in different grades to provide ample access to the equipment.
- placed on the floor without additional fixations, whilst ensuring stability.
- manufactured in well-defined batches and their reflectivity and fire-retardant properties are monitored following internal ISO 9001 procedure.

To improve the wear characteristics, there is an additional laminate of polyethylene on top and all sides.



Applications

WAVASORB® VHP-FL is the preferred solution:

*** for use in specific areas of the floor in anechoic chambers in order to minimize their impact on the quiet-zone performance.**
*** for various floor configurations.**
*** to provide easy access to antennas and equipment under test in:**

- **Compact Antenna Test Ranges (CATR);**
- **Far-Field & Near-Field facilities;**
- **Radar Cross Section (RCS) facilities;**
- **Electronic Warfare (EW) test ranges;**
- **Hardware in the loop;**
- **Wireless Over-The-Air (OTA) measurement systems.**

Customized designs in different sizes and shapes go with our WAVASORB® VHP-FL absorbers, e.g. stairs and circular pieces to cover turntables.

Picture was taken from Gebze facilities

With respect for the environment

REACH COMPLIANCE

RoHS

Shaping the future

WAVASORB® VHP-FL

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Characteristics

Handling temperature	+5°C to +35°C
Humidity range	30% to 70%
Load-bearing capacity	200 kg/m²
Frequency range [1]	1,35 GHz to 9 GHz
Fire retardancy tests	Compliant with: DIN 4102-1 Class B2
Environmental testing	According to: - IEC 60068-2-1 Test Ab - AATCC 30-IV (2004)
REACH compliant	According to EC 1907/2006
RoHS compliant	According to 2015/863/EU
Quality control	IEEE Standard 1128 ISO 9001
Product life	+10 years under controlled environment

[1] *Higher frequencies possible; contact your local sales representative for more info*

Physical properties

	Standard color	Standard foot-
WAVASORB® VHP-FL	Black	122 cm x 61 cm

[1] *The above-mentioned dimensions have a tolerance of +/-6 mm*

	Total height[1] (cm)	Nominal weight[2] (kg)
WAVASORB® VHP-FL 2	15,0	6,0
WAVASORB® VHP-FL 8	26,0	10,6
WAVASORB® VHP-FL 12	37,0	13,8
WAVASORB® VHP-FL 18	54,0	17,4
WAVASORB® VHP-FL 26	74,0	23,2
WAVASORB® VHP-FL 36	99,0	34,0

[1] *The above-mentioned dimensions have a tolerance of +/-6 mm*
[2] *Weight values are subject to changes*

Typical reflectivity performance at normal incidence & measurement techniques

WAVASORB® VHP-FL is tested routinely in-house in the frequency range from 1,35 GHz to 9 GHz using an NRL Arch in accordance with the practice recommended in IEEE Standard 1128.

The reflectivity of a particular grade of WAVASORB® VHP-FL corresponds to that of the initial WAVASORB® VHP, in such a way where the performance will vary by typically 10-15 dB in the range 1-3 GHz and 20-25 dB in the range 3-9 GHz. For different grades, the high frequency reflectivity is limited to approximately -25 dB.

WAVASORB® VHP-FL offers favourable reflectivity properties at off normal angles of incidence with almost no reflectivity degradation up to 45 degrees.

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Specifications subject to change without notice. ECAC 03/2024

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Picture was taken from Gebze facilities

Safety Considerations: It is recommended to consult the E&C ANECHOIC CHAMBERS product literature, including material safety data sheets, prior to use E&C ANECHOIC CHAMBERS products. These may be obtained from your local sales office.