

Bonded Foam

Flexible and dimensionally stable granular foam from recycled foams

The bonded PU-foam, based on recycled post-industrial trim and waste, has excellent mechanical properties.

Application areas

The flexible foam with high density and good shock-absorbing properties, can be used for a variety of purposes, including in the following areas:

- Sound damping
- Vibration damping

Characteristics

Polyurethane foam (PU)

135 – 300 kg/m³

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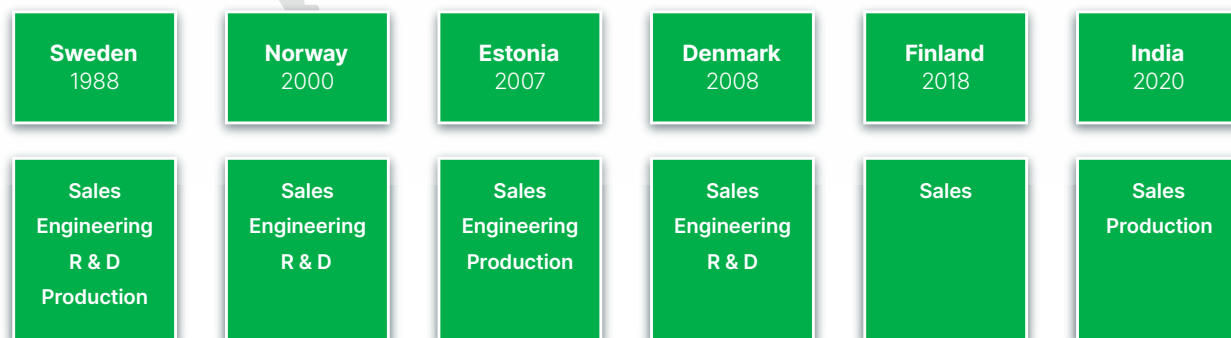
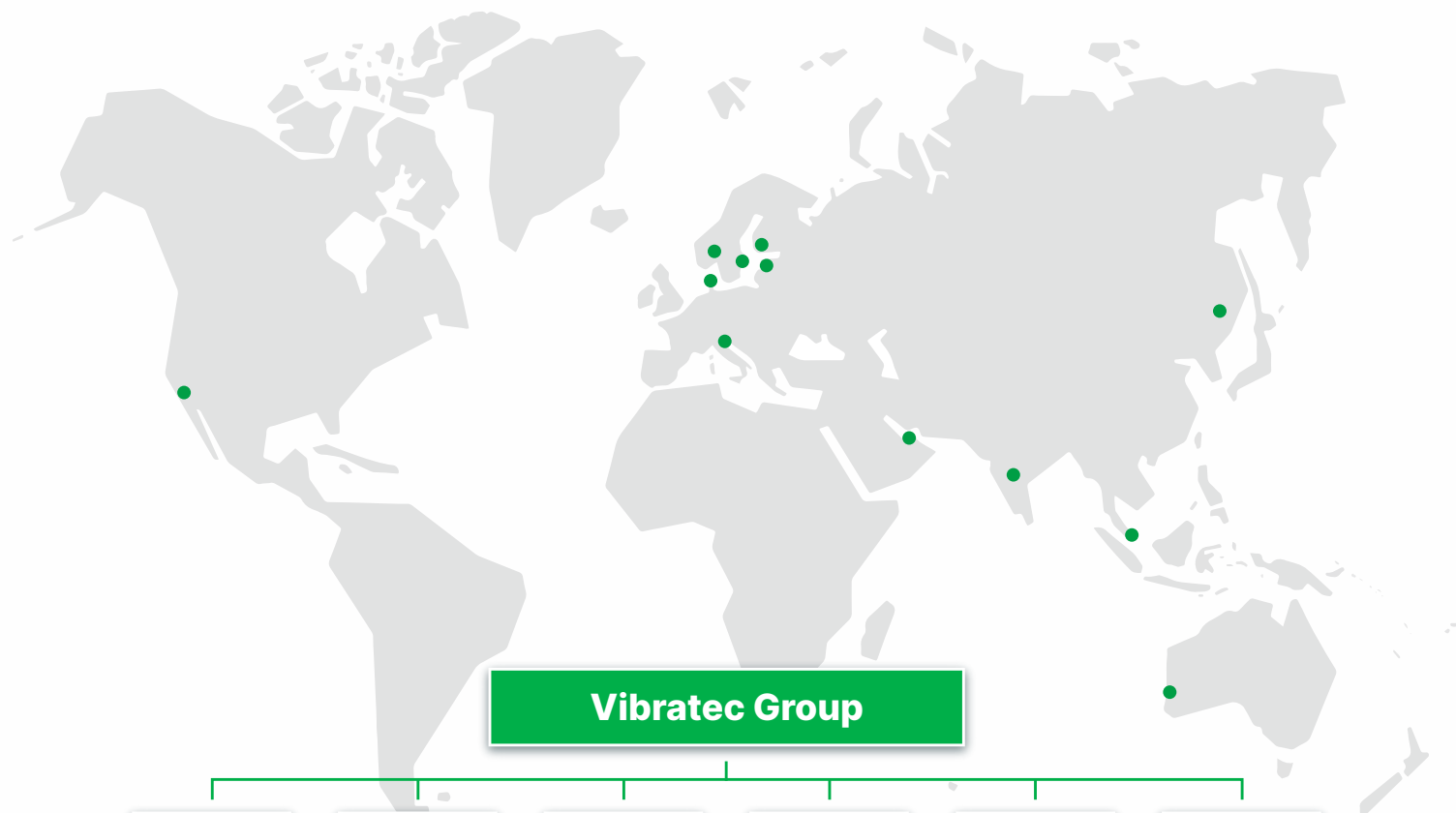
Bonded Foam

Type	density (kg/m³)	length x width (mm)	thickness (mm)
Bonded Foam 135	135	2000 × 1200	20
			30
			60
Bonded Foam 195	195	2000 × 1200	20
			30
			60
Bonded Foam 300	300	2000 × 1000	20
			30
			60



Material Specification

1. Raw material:	<ul style="list-style-type: none"> ■ Polyurethane foam granules, glued together with glue made from polyol and MDI ■ Does not contain formaldehyde ■ Density from 135 to 300 kg/m³. Tolerance +/- 20%
2. Temperature:	<ul style="list-style-type: none"> ■ Avoid temperatures below -40° Celsius and above 120° Celsius ■ At a constant temperature of over 115° Celsius, there is a risk that the material will be slowly degraded
3. Effects of heat:	<ul style="list-style-type: none"> ■ Minimal change to properties when exposed to changing temperatures. ■ Heat conductivity is 0.0400 W/mK
4. Fire classification:	<ul style="list-style-type: none"> ■ Bonded foam 135 and 195 meet the requirements of fire test FMVSS 302/ISO 3795 & EN ISO 11925-2, Class E (DIN 4102 B2) ■ Bonded foam 300 meet fire rating FMVSS 302 ■ Autoignition temperatures are +340° Celsius
5. Dimensional stability:	<ul style="list-style-type: none"> ■ Highly elastic and stable
6. Physiologically:	<ul style="list-style-type: none"> ■ Neutral – no negative reactions from skin exposure
7. Resistance:	<ul style="list-style-type: none"> ■ Tolerates weak acids and alkali solvents ■ Does not tolerate extended exposure to sunlight (not UV protected)
8. Water absorption:	<ul style="list-style-type: none"> ■ Approx. 80% of volume
9. CSR and certificates:	<ul style="list-style-type: none"> ■ Contact Vibratex for more information



Engineering, production & installation

Vibratec has extensive experience, combined with the use of modern tools, when we design and manufacture tailor made solutions in all areas of vibration and noise reduction.

Vibratec performs test to evaluate mechanical, physical and long term behaviour on materials as well as complete solutions.

Construction, defence, industry, marine & railway

Vibratec Akustikprodukter is one of Scandinavia's leading suppliers of noise and vibration solutions. Vibratec's ambition is to become the preferred choice for customers who need solutions to noise, vibration and shock problems.

Vibratec produce and store many products for damping and isolation of vibration, shock and noise over a wide range of applications.

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