

# VIZYON INNOVATIVE INSULATION LTD. DETAILED PRODUCT CATALOG

MARINE - DEFENSE INDUSTRY - OFFSHORE - RAILWAYS - TRANSPORT



New generation Sound & Vibration control, Condensation and Corrosion control, High temperature & Cryogenic Thermal Insulation and Passive Fire Protection solutions.

Vizyon Innovative Insulation  
Energy and Engineering Ltd.Corp.

[www.vizyonendustryelyalitim.com](http://www.vizyonendustryelyalitim.com)

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**Vizyon Innovative Insulation Ltd.Co.** was established in 2015 to provide up-to-date innovative solutions suitable for any appropriate insulation needs. It provides services in the field of thermal insulation, noise and vibration damping, high heat and cryogenic insulation as well as fire insulation with the most advanced technology products, services and design.

We offer the most permanent and rational solutions in the marine, defense, automotive and manufacturing industry. We serve the marine industry in every stage of noise and vibration insulation including design and completion. Product range and design services are both included in our wide working band.

We carry out our work by offering permanent and effective solutions to each problem or need. For us, thermal insulation, sound insulation, high thermal insulation, cryogenic insulation, fire insulation, corrosion protection and condensation control are items that require separate solutions, separate products with separate tailored designs.

Design, procurement, application, testing of services and maximum performance are all within our field of expertise. Our main and utmost goal is to be advantageous to you and our country with our work ethic and principles based on quality and satisfaction.

As Vizyon Innovative Insulation, we take part in the whole system. We design the most permanent and effective solution with high efficiency. Costs and system permanence are equally important to us. In the products and services we offer, we focus on solving the needs of our customers quickly and effectively, regardless of the scope of the business.

We offer our innovative solutions in various developing sector in Turkey and we are ready to do so world wide. We have served in the same purpose and direction since the day we were founded. We have completed critical projects with the high satisfaction of our customers. In our R&D center, we develop high-level products such as fire protection and high heat insulation

## **VIBRATION CONTROL PRODUCT LINE**



**DECIDAMP SP 150**

This product is developed by a special polymer technology. It is a light, non-toxic, structural damping equipment that can be used in every area, where the noise can affect the structure, comfort and function. Also, It is a MED approved and viscoelastic, structure based damping product approved by IMO for use up to 10 mm thickness for vessels.

For certificates and tests about the product: [info@vizyonendustriyelyalitim.com](mailto:info@vizyonendustriyelyalitim.com)



**DECIDAMP DC 30**

This product is a two-component, polyurethane based damping paste with perfect viscoelastic damping properties, and it also significantly decreases the air sound which radiates from the structure. It works best on a limited layer (sandwich system). This product, that performs great under a wide range of temperature, is perfect for numerous applications, especially in marine environment.

For certificates and tests about the product: [info@vizyonendustriyelyalitim.com](mailto:info@vizyonendustriyelyalitim.com)



**DECIDAMP DC 06**

Decidamp® DC06 is a water-based, two-component damping product with excellent viscoelastic damping properties that provide significant reductions in structure-borne noise. The product is suitable for use in numerous applications, especially in marine environments such as bulkheads and decks.

For certificates and tests about the product: [info@vizyonendustriyelyalitim.com](mailto:info@vizyonendustriyelyalitim.com)



**DECIDAMP SLC**

This product is a two-component, polyurethane based, vibration damping compound, which is used for floor applications and developed for marine and offshore industries in order to decrease the structural noise and vibration, also for meeting the market demand. It is viscoelastic, light and mostly used for main floor layer or as an under layer in various floor linings.

For certificates and tests about the product: [info@vizyonendustriyelyalitim.com](mailto:info@vizyonendustriyelyalitim.com)

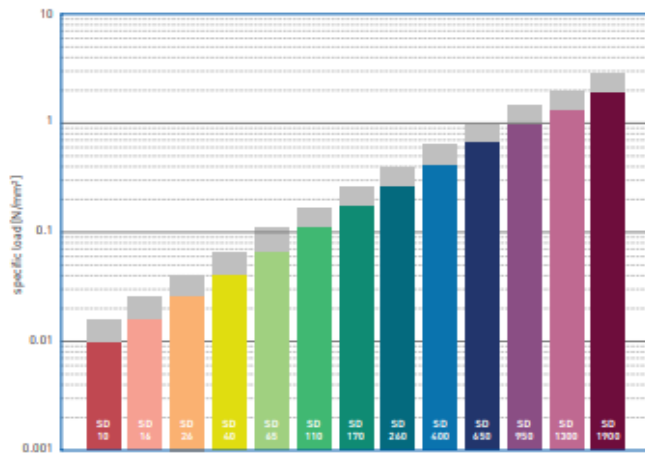


**DECIDAMP TILE**

Decidamp® Tile is a high performance structural damping product that is designed in order to reduce vibration resonance in thick panel structures. It was developed to meet market requirements in the industrial, marine, rail and heavy vehicle industries, and also formulated by using a blend of next-generation polymer compounds that provide exceptional damping over a wide temperature range from 10 to 50°C.

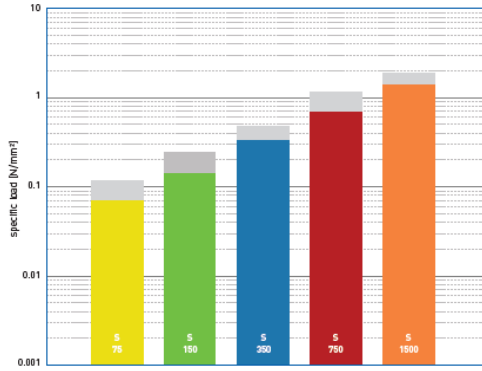
For certificates and tests about the product: [info@vizyonendustriyelyalitim.com](mailto:info@vizyonendustriyelyalitim.com)

## VIBRAFOAM



It increases acoustic comfort on leveling floors of ships and comfort boats and it prevents the transmission of vibrations to the structure. It is defined as Class E in DIN EN ISO 11925-1.

VIBROFOAM SD-10    VIBRAFOAM SD-16    VIBRAFOAM SD-26    VIBRAFOAM SD-40    VIBRAFOAM SD-65    VIBRAFOAM SD-110    VIBRAFOAM SD-170    VIBRAFOAM SD-260    VIBRAFOAM SD-400    VIBRAFOAM SD-659 12,5mm,    VIBRAFOAM SD-950 12,5mm,    VIBRAFOAM SD-1300 12,5mm



## VIBRADYN

It increases acoustic comfort on leveling floors of ships and comfort boats and prevents transmission of vibrations to the structure. It is defined as Class E in DIN EN ISO 11925-1.

VIBRADYN S-75, VIBRADYN S-150, VIBRADYN S-350, VIBRADYN S-750, VIBRADYN S-1500

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NDS / NOISE DAMPING STEEL ALM.

It is a constrained (reduced) layered metal composite. NDS is a damped aluminum composite consisting of two layers of aluminum laminated together using a layer of viscoelastic polymer to form its laminate. It is used as a noise-damping panel product in many sectors.

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**NDS / NOISE DAMPING STEEL**

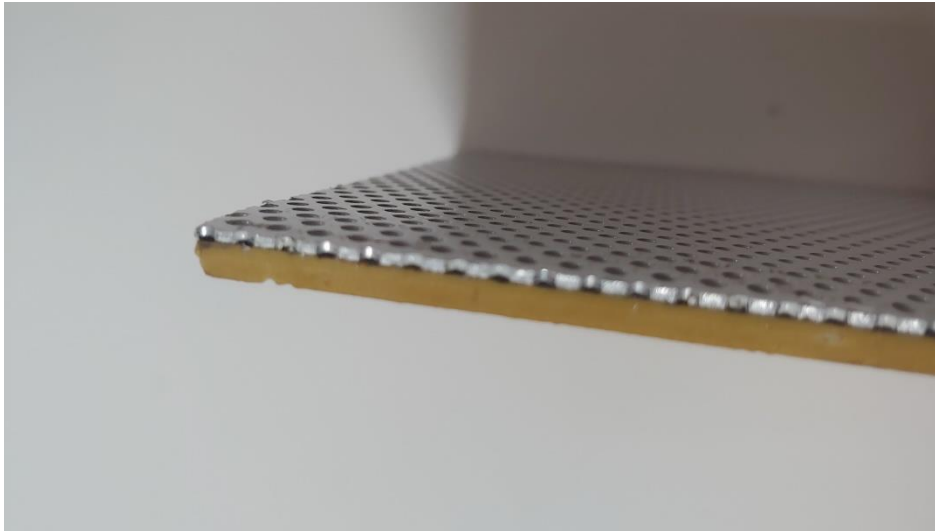
It is a vibration damping steel composite which consists of two outer steel layers that are laminated to each other by using viscoelastic polymer layer. The standard product is supplied as electro-galvanized and, various metals and surface dressings are also available. The usage of low-carbon steel that is electro galvanized, cold-rolled, enables NDS to be used as a structural material in equipment making.



**NDS / NOISE DAMPING STAINLESS STEEL**

It is a vibration-damping steel composite, consisting of two outer stainless steel layers, laminated to each other using a viscoelastic polymer layer. It can be produced in any desired thickness. It is also available with electrostatic paint on the surface.

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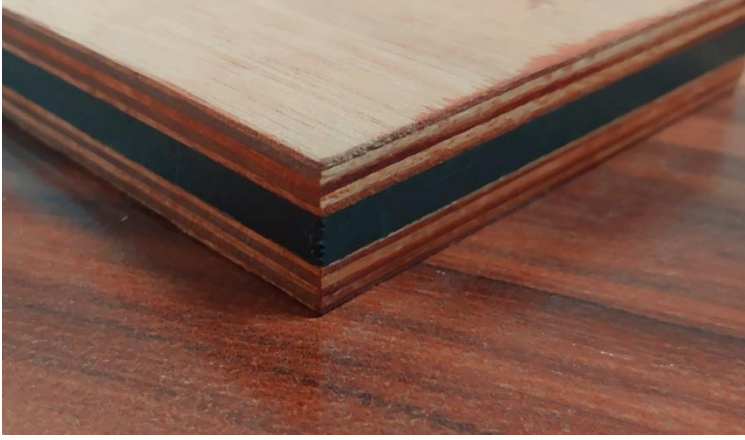


### **NDS / NOISE DAMPING PERFORATED PANEL**

It is a composite with vibration and air-born noise dampening features, consisting of a single outer perforated aluminum plate and a special damped layer that are laminated to each other by using a viscoelastic polymer layer. Its surface is covered with electrostatic paint.

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## **VIZYON SOUND PANEL**

It is a lightweight, multi-layered panel that offers outstanding acoustic properties. The outer layers of the sandwich panel are made of high-quality materials that are light, yet hard and strong, such as plywood with various soundproofing inner core materials. The panels are especially designed to optimize acoustic solutions at lower weights. They are ideal in weight sensitive applications where good sound insulation properties are required. The panels can be supplied in standard or custom designed modular sizes and produced in 12, 18 and 22 mm thicknesses.

Panel Information:

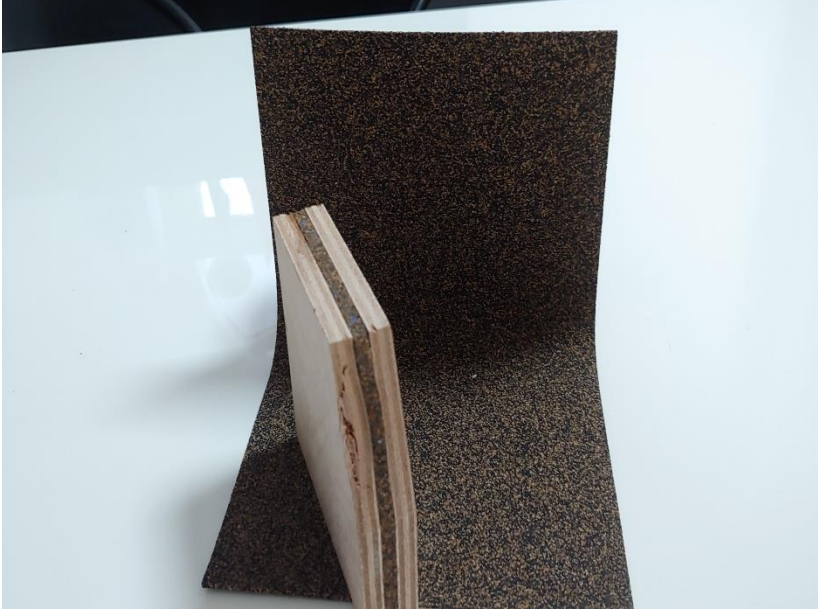
**Vizyon Sound Panel (VSP HL-12):** 12 mm x 1.7m x 2.2m / 4mm Contra,4mm Heavy Layerx4mm Contra

**Vizyon Sound Panel (VSP HL-18):** 18 mm x 1.7m x 2.2m / 6mm Contra x 6 mm Heavy Layer x 6 mm Contra

**Vizyon Sound Panel (VSP HL-22):** 22 mm x 1.7m x 2.2m / 8mm Contra x 6mm Heavy Layer x 8 mm Contra

**PLYWOOD COMPOSITE PANEL DIMENSIONS:** 1700 X 2200 mm OR 1250 X 2200 mm

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## **VSP CR PANEL**

VSP CR panel has the ability to perform barrier and damping operations thanks to special layers.

It belongs to the DAMTEC Cork Rubber product group. Damtec is manufactured by KRAIBURG Relastec in Germany.

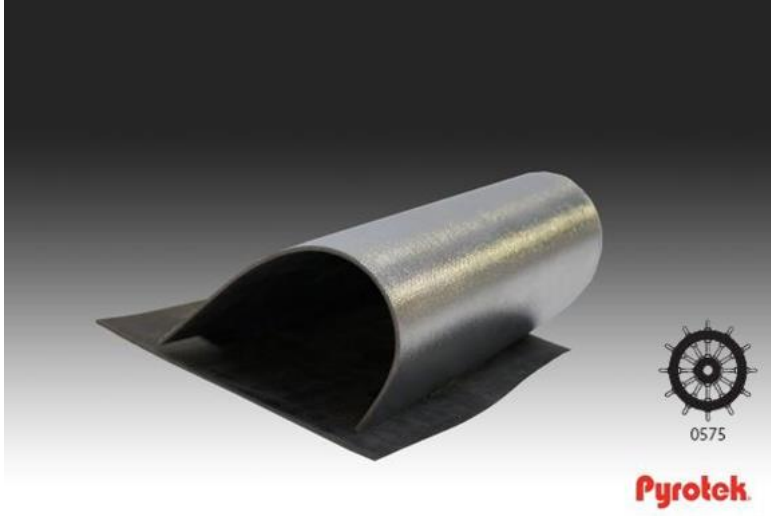
**Vizyon Sound CR Panel (VSP CR-11):** 11 mm x 1.7m x 2.2m / 4mm Contra x 3mm Cork Rubber x 4mm Contra

**Vizyon Sound CR Panel (VSP CR-17):** 17 mm x 1.7m x 2.2m / 6mm Contra x 5 mm Cork Rubber x 6 mm Contra

**Vizyon Sound CR Panel (VSP CR-21) :** 21 mm x 1.7m x 2.2m / 8mm Contra x 5mm Cork Rubber x 8mm Contra

PLYWOOD COMPOSITE PANEL DIMENSIONS: 1700 X 2200 mm OR 1250 X 2200 mm

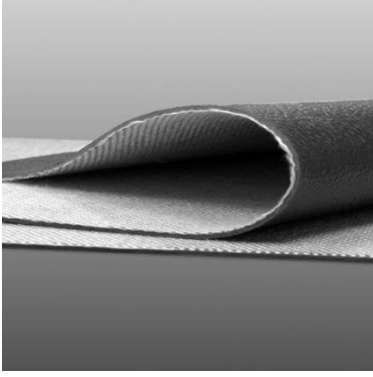
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## QUADZERO NL

It is a high performance heavy noise barrier which is foil coated and mass loaded vinyl that offers high quality acoustic transmission loss and increased fire resistance. Fire resistant and foil coated Quadzero™ NL was developed by Pyrotek, in order to meet the strict fire safety requirements in the marine, construction and transportation industries. In the topic of low flame spread, the product achieves the highest fire ratings alongside with the International Maritime Organization standards, as well as British, German, American and Australian building and transportation standards for heat dissipation, toxicity and flame spread properties.

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### **WAVEBAR MIL**

It is a high performance, flexible, mass-loaded vinyl noise barrier that is combined with a fiberglass fabric. It is designed for the military and naval industry, in accordance with MIL-PRF-24699A (SH). Wavebar is a dense, thin, highly flexible and tear-resistant noise barrier which has perfect fire and thermal insulation. The Wavebar MIL which is designed with the original Wavebar soundproofing features and added "flame-shield", is approved for use in military vehicles and navy ships

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**STANDARD HEAVY SOUND BARRIERS**

**VZN-HL. 6 mm**

**VZN-HL. 4 mm**

**VZN-HL. 2 mm**



## VISCO ELASTIC DAMPING BARRIER (TECSOUND)

TECSOUND SY 100 : ( 5 mm) 2000 kg / m<sup>3</sup>

TECSOUND SY 70 : (3.5 mm) 2000 kg / m<sup>3</sup>

TECSOUND SY 50 : (2.5 mm) 2000 kg / m<sup>3</sup>

TECSOUND SY 35 : (1.7 mm) 2000 kg / m<sup>3</sup>

- **Easy to use and adaptable to rough surfaces.**
- **Can be easily cut with a knife or scissors**
- **Good adhesion to most surface types.**
- **Acts as a steam control layer**
- **Resistance to cold and heat.**
- **Excellent aging resistance.**
- **Does not rot.**

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### **“DAMTEC STANDARD” RUBBER CORK MATTRESS**

THICKNESS: 3,4 AND 6 mm // WIDTH: 1 m // ROLL LENGTH 20 OR 30 m. // DENSITY 650-750 kg/m<sup>3</sup>

It belongs to the DAMTEC Cork Rubber product group. Damtec is manufactured by KRAIBURG Relastec in Germany. It is the most effective, high quality sound insulation mattress that is used in order to isolate the sound caused by heel impact vibration from the sole of the foot, on floors and even ceilings and walls.

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### **SILENTSTEP PREMIUM**

It is a high performance acoustic carpet padding which consists of highly dense, first-class foam and a flexible mass-loaded barrier that is attached to the underlayer. (It is also possible to apply under parquet.) The combination of these two products enable Silentstep to reduce the noise, that arise from the transmission effect such as footsteps, and air-borne noise such as speech. Silentstep Premium was developed to supply the market's noise reduction requirements in the multi-storey living, commercial, automotive and marine markets. It is simple to cut and pave, offers perfect support and a solid padded base for any carpet applications. It is also ideal for lightweight paving structures such as wood and marine applications where fiberglass and composite floor panels are used.

DIMENSIONS: 2000 X 1200 mm

THICKNESS: 12 mm

DENSITY: 2210 kg/ m<sup>3</sup>

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### **SILENTSTEP TECSOUND**

It is a high performance acoustic carpet underlay, consisting of high density premium special foam and a flexible sound absorbing barrier attached to the substrate. TECSOUND adds outstanding damping performance to this combination.

(It is also possible to apply under parquet) The combination of these two products allows Silentstep to reduce noise from transmission effects like footsteps and airborne noise such as speech. Silentstep Premium has been developed to meet noise reduction requirements in the multi-storey residential, commercial, automotive and marine markets. It is simple to cut and lay and offers excellent support with a solid cushioned base for any carpet application. It is ideal for lightweight flooring structures such as wood and marine applications where fiberglass and composite floor panels are used.

DIMENSIONS: 2000 X 1200 mm

THICKNESS: 12 mm

DENSITY: 2210 kg/ m<sup>3</sup>

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## **SOUND ABSORBERS PRODUCT GROUP**



It is a flexible, lightweight, open-cell, light gray foam that is made of melamine resin. With a high degree of flame retarding, excellent sound absorption and thermal insulation properties, Sorbermel is dimensionally stable and harder than polyurethane foams. It is preferred in weight sensitive applications. Sorbermel achieves some of the highest classifications in fire ratings in order to meet national and international standards. Sorbermel is a choice for a variety of industrial applications such as railway, automotive, marine, building and construction. It is manufactured as AGC (Aluminum Glass Colth) and textile coated.

### **1-VZN-SORBERMEL AGC**

### **2-VZN-SORBERMEL TEXTILE**

THICKNESS: 20,30,50 and 80 mm

DIMENSIONS: 1.2 m X 1 m

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## **SORBERBARRIER**

It is a unique composite noise control product that offers both excellent noise transmission loss and high noise absorption at the same time. It is developed in order to meet noise reduction requirements in the OEM and marine markets. Sorberbarrier combines the superior performance of the flexible mass barrier Wavebar® with the high absorption properties of Sorberfoam™. The wavebar is laminated to the Sorberfoam layer to change the natural absorption curve, which improves sound absorption at mid to high frequencies. One side is manufactured with AGC (Aluminum coated Glass Colth).

### **1-VZN-SR-BARRIER AGC**

### **2-VZN-SR-BARRIER TEXTILE**

THICKNESS: 20,30,50 and 80 mm

DIMENSIONS: 1.2 m X 1 m

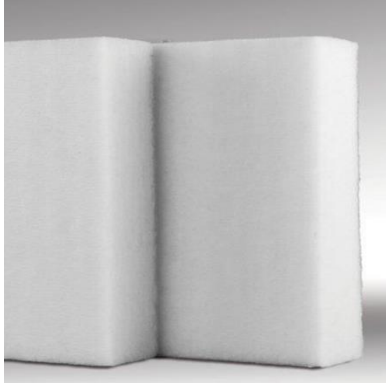
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## **SORBERFOAM**

These are new generation flexible acoustic foams which are modified with non-combustibility feature, and also have high noise absorption properties in a wide range of frequency. They are developed in order to meet market demands for reducing resonance noise in, commerce, OEM and automotive markets. Pyrotek has formulated and developed a polyurethane foam which performs much better than traditional acoustic foams by controlling cell size, porosity, density and flow resistance throughout the cell structure.

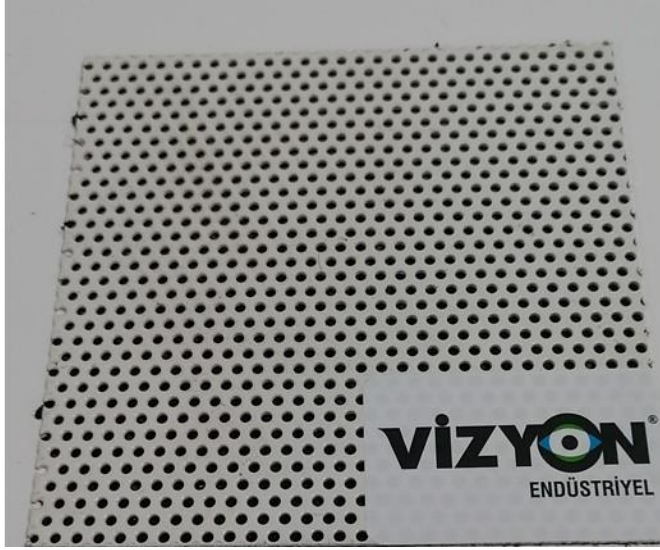
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**SORBERPOLY 2D**

It is an unwoven polyester and thin fiber with excellent sound absorbing and thermal insulation properties, which are useful in acoustic insulation and high humidity applications. It is resistant to fuel, oil and grease. Sorberpoly stands out with its durability for a lifetime.

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#### **VZN-SILENT PERFORE ALU. / SOUND ABSORBING DECORATIVE ALM. PANEL**

It is a sound absorbing finish panel with perforated metal sheet. The sheets are available as plain or laminated with Sorbertextile STA, a black, airflow resistant, glass-based acoustic textile, offering high performance sound absorption. The product has an aesthetic appeal and has a hard, durable surface. The perforated metal surface is manufactured from marine grade 5052 aluminum sheet or electro galvanized steel. This open space allows sound waves to pass through and be absorbed by the backing fabric. As the sound passes through the durable backing fabric, the sound waves create heat through friction, resulting in energy loss, thus reducing noise and reflected sound. The boards have a powder coat finish of white or desired color which provides corrosion resistance. The metal surface can be powder coated before the backing fabric is bonded with Sorbertextile STA.

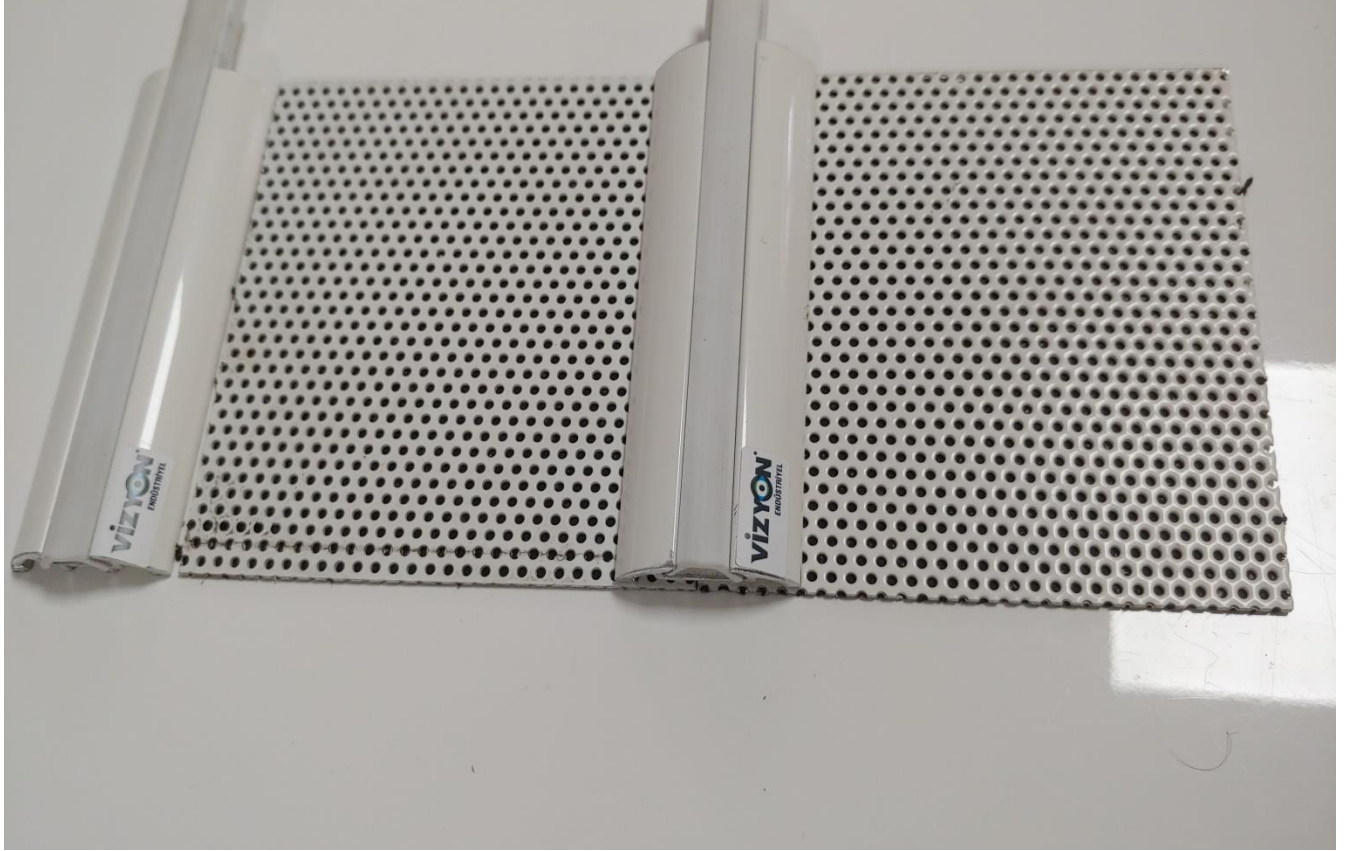
ALUMINIUM PANEL THICKNESS: It is manufactured as 1,1.2 and 1.5 mm.

DIMENSIONS: 1 X m X 2 m (net size with perforated holes)

STANDARD RAL CODES: 9010 and 9003

HOLE DIAMETER . 1, 1.5 and 2 mm. It is produced as a standard hole diameter production of 2 mm.

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**VZN-SILENT PERFORE FOR ALU. SUPPLEMENTARY DECORATIVE PROFILE**

**LENGHT: 4 m**

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## **TEXTILE PRODUCT LINE**



**SORBERTEXTILE**

It is a glass-based acoustic textile coated with a heat sensitive adhesive. The fabric is designed and certified to provide excellent mechanical strength, opacity, permeability and non-flammability. It is mainly designed for mounting behind porous panels, in order to provide good sound absorption and an elegant appearance. If the fabric is being used for further enhancement of acoustic properties, it also helps to prevent fiber release from bulk insulating materials such as; polyester blanket, rock wool or fiberglass. Sorbertextile STA can be laminated with Sorberscreen, Sorberfoam and Sorberpoly, in order to increase the fire and acoustic performance. When laminated to porous metal, Sorberscreen ST achieves the highest fire ratings in low flame spread, conforming to International standards of MED B and MED D certificates (Wheelmark)

**ROLL WIDTH: 1.20 m.**

For certificates and tests about the product: [info@vizyonendustriyelyalitim.com](mailto:info@vizyonendustriyelyalitim.com)



### **GLASS FIBER FABRIC ST 1 and ST 55**

#### **ST 1 and ST 55 : FIBER GLASS COATED INSULATION FABRIC ON MINERAL WOOL**

Material : Fiberglass

Usage: thermal insulation material, non-combustible, chemically resistant.

No exposure to water corrosion.

Its durability, corrosion and deterioration resistance is certified by DNV.

It is also approved by DNV for being resistant to 450 °C heat.



### **CERAMIC FIBER FABRIC**

#### **CERAMIC FIBER FABRIC 900 °C / WIRE REINFORCED**

It is a product, produced from ceramic fiber yarns and suitable for high temperature use.

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### **POLYURETHANE COATED GLASS FIBER FABRIC**

### **POLYURETHANE COATED FIBER GLASS FABRIC 400 °C**

The product obtained by coating polyurethane on glass fiber, provides high resistance to oils and solvents.



### **ALUMINUM COATED GLASS FIBER FABRIC**

It is an aluminum coated glass fiber fabric. Please contact for detailed information. (For different sizes and features)

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## **TAPE PRODUCT LINE**



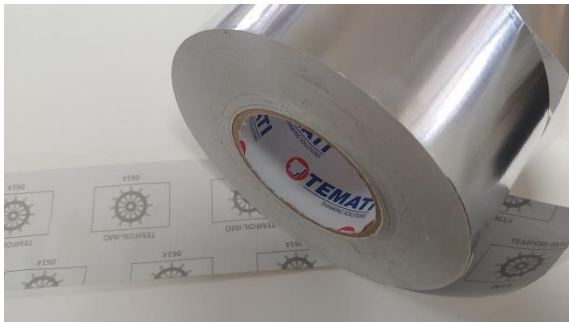
**TAPE GC 120 MARINE**

The Tape GC120 Marine is a pressure sensitive fabric-coated thermal insulation adhesive tape, designed for marine applications. It is combined with high performance solvent acrylic silicon paper that can easily come off.

TAPE WIDTH OPTIONS: 50 mm, 75 mm and 100 mm

It is the most economical fabric tape that meets IMO standards and has valid approval certificates.

For certificates and tests about the product: [info@vizyonendustriyelyalitim.com](mailto:info@vizyonendustriyelyalitim.com)



### **TEMFOIL IMO ALUMINUM TAPE**

Soft aluminum tape coated with long-lasting ultraviolet resistant acrylic adhesive. Available in 100 mt roll length and; 50mm,75mm and 100mm widths. To protect the adhesive face, one side is covered with white release kraft paper displaying the IMO and ECB notified establishment number. Fire regulations are class I and class O BS 476 pt 6&7. IMO Res. MSC.307(88)-(2010 FTB Code)

For certificates and tests about the product: [info@vizyonendustriyelyalitim.com](mailto:info@vizyonendustriyelyalitim.com)





**ANTI SPRAY TAPE**

The Spray Protection System is a TIP-approved aluminum / glass fabric system that is designed in order to prevent the flammable spray of hot oil that may come into contact with surfaces and cause fire in boiler or engine rooms. No Spray is available in the anti-splash system tape or in sheet forms and covered with silicone adhesive that provides both outstanding adhesion and also ease of installation. It meets the SOLAS Rule II - 2 / 15.2.11

For certificates and tests about the product: [info@vizyonendustriyelyalitim.com](mailto:info@vizyonendustriyelyalitim.com)

### **THERMAL INSULATION PPRODUCT LINE**



**DECICOAT T35**

T35 is a water-based sprayed thermal insulation coating with especially formulated anti-condensation and corrosion protection properties. It is developed for market requirements in railway, offshore, marine, chemistry, petrol, automotive and construction areas. It is quite economic with its easy application and consumption amount.

For certificates and tests about the product: [info@vizyonendustriyelyalitim.com](mailto:info@vizyonendustriyelyalitim.com)



Unifrax's Fyrewrap marine blanket is a fully inorganic, flexible, high temperature insulation blanket that specifically designed to provide passive fire protection for marine applications. Its chemistry is designed with calcium, magnesium and silicate, in order to increase biological solubility. Unifrax's proprietary fiber spinning technology, combined with the mechanical needling of fibers, eliminates the need for binders in the product. This results in a material with high tensile strength and superior thermal and acoustic properties. Fyrewrap marine ceramic blanket is chemically stable and its thermal properties are not affected after immersion in water or exposure to high humidity.

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*It comes in rolls with a wall thickness of 10 mm, width of 1 m and length of 10 m. The heat transmission coefficient value is: 0,027 W (m<sup>2</sup>/K)*

#### PHYSICAL PROPERTIES

- Operating Temperature: -50 °C, +600 °C
- Thermal Conductivity Coefficient: 0.016 W / mK
- Color: White
- Water Absorption: 6% minimum, 14% maximum (after 24 hours conditioning at 300 °C/600 °F)

- Slump resistance:  $\leq 5\%$  thickness change
- Vapor Permeability: 5-5.5 mu
- Fire Class: A-s1-d0
- Compressive Strength: 40 kpa 10%
- Environmental Impact: 5.4 kg of CO2 per m<sup>2</sup> (1 cm thickness)
- Heat Capacity: 1000 J / kg / K
- pH: 8
- Blanket Grain Size: 0-1 mm, 1-2 mm, 2-4 mm
- Product Shape: Roll
- Product Width and Length: 1 m X 10 m (10 m<sup>2</sup> / ROLL)

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## VM 17

THERMAL INSULATION SYSTEM FOR HIGH TEMPERATURE IN THE CONSISTENCY OF PASTE (1000 °C)

The demand for high temperature insulation is emerging everywhere in industry where gases or liquids need to be supplied, extracted or transferred without adversely affecting the environment. With the VM 17 insulation system, a suitable process that has proven itself in many fields has been developed. It has been ensured that no health problems arise in the production of insulation or the use of insulated aggregates.

### THERMAL CONDUCTIVITY OF INSULATING COMPOUND VM 17 (TWO-PLATE METHOD)

Mean temperature (°C)	100	200	300	400	500	600	700	800
(W/mK)	0.13	0.14	0.15	0.16	0.18	0.20	0.21	0.23

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## **FIRE MASTER CERAMIC BLANKET**

Morgan Thermal Ceramics' FireMaster® range of fire protection is specifically designed to meet the structural fire protection needs of the marine industry and offers high performance and lightweight structural fire protection.

FireMaster® flexible, lightweight blanket products are made without chemical binders and do not produce toxic fumes or isocyanates in fires. They are widely used for bulkhead and deck fire protection on fast ferries, cruise ships and luxury yachts. Morgan Thermal Ceramics is the market leader in high speed boat fire protection.

FireMaster® products are capable of long-term operation at high temperatures. This means that in applications where fire temperatures can reach around 1400°C, our fire protection solutions can be thinner, lighter or more cost-effective options.

FireMaster® Marine Plus Blanket systems have DNV and EU MED approvals for structural fire protection of steel, aluminum and sandwich panel composite structures. FireMaster® 607 and Marine blanket hold multiple international type approvals and EU MED approvals.

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## **MICROPOROUS INSULATION**

Mikroporous™ products are defined by their very low heat conduction properties compared to other insulation materials. These products, which have an extraordinary insulation ability with their heat transmission coefficient values in the range of 0.021 -0.042 W/m.K, provide a better insulation even from stable air. They do not contain harmful additives to the environment and human health.

Microbifire® 1000: Classification Temperature -70 / +1000 °C

Microbifire® 1100 HT: Classification Temperature -70 / +1100 °C

Microbifire® Slatted: Microbifire Slatted, Microbifire 1000 and Microbifire 1100 HT products are sliced and completely covered with aluminum foil.

Microflexibifire® 1100 HT: The product is the flexible type of Microbifire 1100 HT covered with a high temperature resistant fabric.

Vacunanex® HT 1100: Vacunanex® HT 1100 is a microporous product that is produced under vacuum by coating aluminum foil, is flexible, resistant to breakage, does not emit dust and has a low shrinkage ratio.

Vacunanex®: Vacunanex®, which is produced under vacuum by covering with aluminum foil, is successfully used in insulation of building and household appliances with its heat transmission coefficient value of 0.0045 W/m.K.

[info@vizyonendustriyelyalitim.com](mailto:info@vizyonendustriyelyalitim.com)

## **STUD WELDING AND INSULATION PINS**

### **ALUMINUM STUDS**



### **M8\*10 cm ALÜMİNYUM STUD**

**STUD LENGTH: 150 mm 120 mm AND 60 mm** It is produced in three different sizes and as standard M8. We also manufacture M10 upon request.

### **COPPER PLATED STEEL AND STAINLESS METAL STUDS**



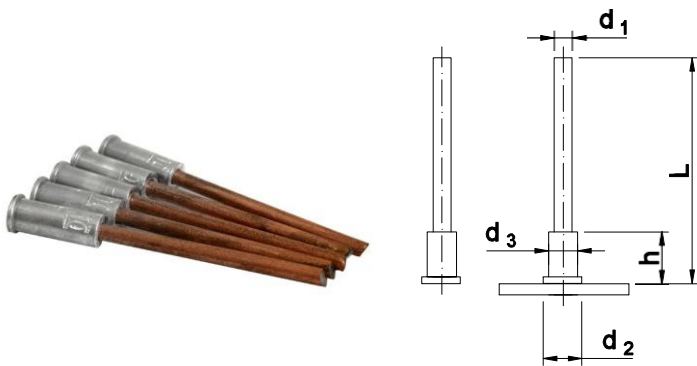
### **M\*8X40 COPPER PLATED AND STAINLESS STEEL STUD**

**STUD LENGTH: 150 mm 12 mm AND 60 mm** It is produced in three different sizes and as standard M8. We also manufacture M10 upon request.

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## ISOLATION NAILS

### BIMETAL PIN VBS (ALUMINIUM AREA)



**Material:** copper covered steel, stainless steel 1.4301 (aluminium ending)

**Use:** assembling the insulation on aluminium surfaces in the marine and land industry. Bimetal pins are made of heat-sealable wire in diameter  $\varnothing 3\text{mm}$ .

**Logistic minimum:**

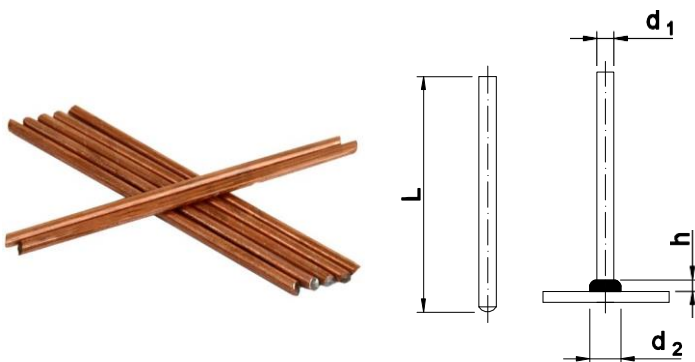
25mm – 40mm – 2000 pcs./package  
50mm – 100mm – 1000 pcs./package  
from 110mm – 500 pcs./package

### ALUMINIUM CAPSULE INSULATION NAIL

*It is produced in 40 mm, 80 mm, 120 mm, 140 mm and 160 mm lengths.*

*Nail wall thickness: 3 mm*

### INSULATION PIN



**Material:** copper covered steel, stainless steel 1.4301

**Use:** assembling the insulation in the marine and land industry. Insulation pins are made of heat-sealable wire in diameters range  $\varnothing 2\text{mm}$  to  $\varnothing 5\text{mm}$

**Availability:**

on request

**Logistic minimum:**

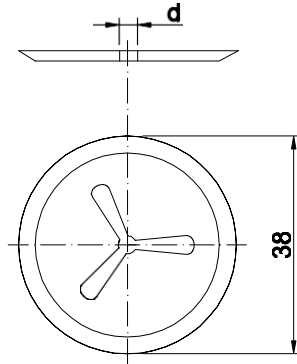
25mm – 50mm – 2000 pcs/package  
60mm – 150mm – 1000 pcs/package  
from 160mm – 500 pcs/package

*It is produced in 40 mm, 80 mm, 120 mm, 140 mm and 160 mm lengths.*

Nail wall thickness: 3 mm

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## CLIP TYPE R



**Material:** galvanized steel ST, OC;  
stainless steel 1.4301

**Use:** applicable for mounting insulation on all types of pins.

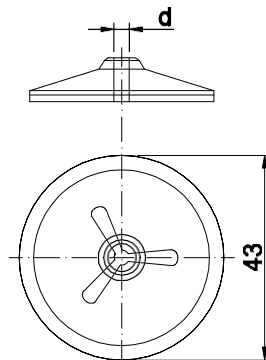
**Availability:** in stock

**Logistic minimum:** 6000 pcs/package

## MATERIAL:STEELST

d	Diameter (mm)	Weight (kg/100)	Index
3	38	0,35	T-03-001T-
4	38	0,35	03-002

## CLIP TYPE WN (DECORATIVE)



**Material:** galvanized steel ST, OC;  
stainless steel 1.4301

**Use:** applicable for mounting insulation on all types of pins. Clip supplied with decorative PVC cover.

**Availability:** in stock

**Logistic minimum:** 2500 pcs/package



## **MARINE HVAC ACOUSTIC SOLUTIONS**



***BENDABLE CIRCULAR MUFFLER***

The inner insulation material is equipped with a special non-flammable mineral wool. It is classified according to EN 1506 or EN 13180. The air tightness of the stem is in accordance with EN 1572, class D.

It is produced between  $\varnothing$ 100 mm and 400 mm. Max. Allows a flow rate of 8000 m<sup>3</sup>/h

It is produced between  $\varnothing$ 100 mm and 400 mm. Max. Allows a flow rate of 8000 m<sup>3</sup>/h

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***SILENT FAN***

Low profile, “mixed flow” fans with sound absorbing insulation. They are known to be extremely quiet. Models TD-350, TD-500, TD-800, TD-1000 and TD-2000 are approved and certified by the Noise Abatement Society. The inner wall has a special porous design that directs the sound waves towards the sound absorbing material.

Motor speed is adjustable, double speed, IP 44, 230V-50Hz motor. The motors have ball bearing and overload protection and are class B. (1) Except TD-160 SILENT.

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## **ADHESIVES**



***SIMALFA 309 RED WATER BASED ADHESIVE***

SIMALFA 309 is a highly efficient and fast drying single-component water-based adhesive that can be used in a wide variety of applications. Although primarily designed for use with foams, fibers and fabrics, Simalfa 309 will instantly adhere to many different materials, including wood and plastic.

- Can be attached to many materials
- High efficiency
- Instant bond
- Fast processing
- Quick drying
- One-sided application
- High temperature resistance
- Soft bond line
- solvent free

# ANTI VIBRATION MOUNTS

## RUBBER TO METAL MOUNTS PRICE LIST 2021

### Mecanocaucho® Support Marin X

#### APPLICATIONS

For use In mobile rotating machines that need maximum attenuation of vibration and noise, such as:

- Pumps
- Marine-Land units
- Mobile electrical panels
- Industrial vehicles



Type	A (mm)	B (mm)	C (mm)	D (mm)	F (mm)	G (mm)	H (mm)	J (mm)	M	Weight (gr)	Shore	Load (kg)	Code	Price
SMALL	120	40	60	100	14	11	14	11	M-12	397	45Sh	45	136216	
											55Sh	70	136220	
											65Sh	95	136217	
MEDIUM	184	50	75	140	30	13	13	22	M-16	857	45Sh	120	136269	
											55Sh	220	136277	
											65Sh	280	136270	

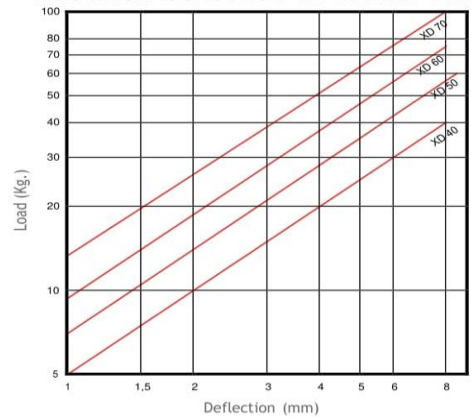
### Mecanocaucho® Support Marin XD

#### APPLICATIONS

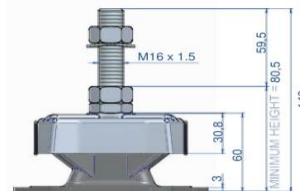
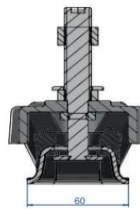
The XD Marine type AMC-MECANOCAUCHO® mounts are ideal for mobile applications where a higher degree of isolation is required.

Its specific design allows lower vertical and radial stiffness rates. This feature is particularly useful on those applications where a high vibration isolation rate is required even if the machine runs at low idle speeds. The metal parts are robust and incorporate a fail-safe device in order to resist traction forces.

LOAD DEFLECTION CURVE  
AMC-MECANOCAUCHO® XD MARINE TYPE



SECTION A-A



Type	Weight (gr)	Shore	LOAD kg MAX	Code	Price
MARINE MOUNT type XD	655	40 Sh	40	136151	
		50 Sh	60	136152	
		60 Sh	75	136153	
		70 Sh	100	136154	

\*All prices displayed in €

# Mecanocaucho® Marine Mount

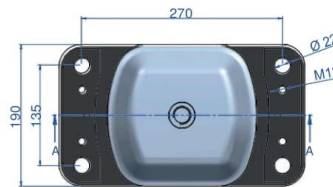
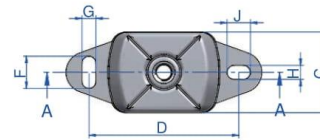
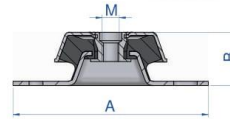
## APPLICATIONS

In mobile rotating machines that need a major isolation capacity from vibrations and noises, such as:

- Pumps.
- Marine-Land units.
- Mobile electrical panels.
- Industrial vehicles.
- Compressors.
- Ventilators.
- Marine Propellers.

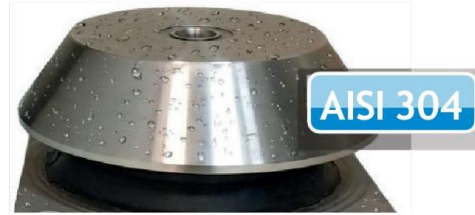


### MARINE CERTIFICATES



Type	Tightening torque MAX (Nm)	A (mm)	B (mm)	C (mm)	D (mm)	F (mm)	G (mm)	H (mm)	J (mm)	M	Weight (gr)	Shore	Load (kg)	Code	Price
SMALL	55	120	40	60	100	14	11	14	11	M-12	397	40 Sh	35	136001	
												45 Sh	45	136002	
												55 Sh	70	136003	
												65 Sh	95	136004	
												75 Sh	110	136005	
MEDIUM	125	184	50	75	140	30	13	13	22	M-16	857	35 Sh	95	136021	
												45 Sh	120	136022	
												55 Sh	220	136023	
												65 Sh	280	136024	
												75 Sh	450	136025	
LARGE	190	228	68	112	182	34	18	18	26	M-20	2250	45 Sh	350	136041	
												55 Sh	525	136042	
												65 Sh	800	136043	
												75 Sh	1080	136044	
XL	285	330	112	190	270	-	-	-	-	M-24	9600	40 Sh	950	136061	
												50 Sh	1400	136062	
												60 Sh	2200	136063	
												70 Sh	3000	136064	

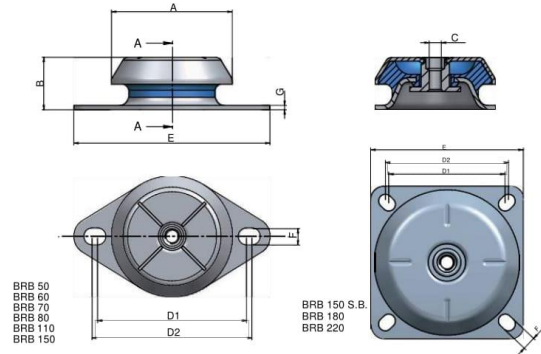
## Mecanocaucho® Type BRBX



### APPLICATIONS

AMC Mecanocaucho® BRBX Captive anti vibration mounts are anti vibration elements which work the rubber in shear and compression. Their high profile rubber sections produce larger deflections, low natural frequencies. This range of mounts is suitable for applications where vibration isolation is a priority.

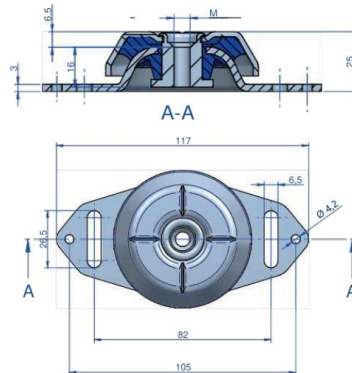
AMC Mecanocaucho® BRBX Captive mount is especially recommended for applications where vibration isolation is necessary, such as isolation of rotating or mobile machines that are continuously subjected to shocks, dripping oil or diesel or are exposed to the elements.



Type	Tightening torque MAX (Nm)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	G (mm)	Weight (gr)	D1 (Min.)	D2 (Max.)	Shore	Load (kg)	Code	Price
BRBX 50	16	50	25	M-8	85	6,5	2	117	61	70	40Sh	20	135969	
											60Sh	60	135973	
BRBX 60	32	64	35	M-10	110	9	2,5	225	76,5	90,5	40Sh	30	135687	
											60Sh	65	135914	
BRBX 70	55	64	35	M-12	120	11	3	253	100	100	40Sh	50	135935	
											60Sh	120	135936	
BRBX 80	55	83	35	M-12	135	11	3	398	108	112	40Sh	80	135956	
											60Sh	175	135949	
BRBX 110	55	106	41	M-12	175	13	3	857	137	149	40Sh	200	135735	
											60Sh	420	135736	
BRBX 150	125	156	53,5	M-16	218	14,5	4	1840	176	188	40Sh	450	135975	
											60Sh	800	135984	
BRBX 150 S.B.	125	156	53,5	M-16	164	14,5	4	2030	125	132	40Sh	450	135993	
											60Sh	800	135994	
BRBX 180	190	186	84	M-20	181	14	5	3800	146	150	40Sh	875	135396	
											60Sh	1700	135466	
BRBX 220	285	230	105	M-24	220	19	6	6716	180	180	40Sh	1600	135461	
											60Sh	3400	135463	

## Mecanocaucho® Type BRT

Type	Shore	Weight (gr)	Static Load max. daN	Maximum Total Load (N)	M	Code	Price
BRT 70	45 Sh	245	50	1500	M-6	135805	
					M-8	135806	
					M-10	135807	



\*All prices displayed in €

# Mecanocaucho® BSB Type



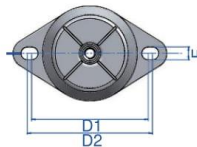
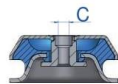
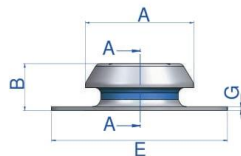
## APPLICATIONS

In mobile rotating machines that require control of movements and reasonable values of vibrations and noise, such as:

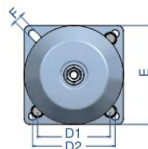
- Pumps, Marine-Land auxiliary units, Industrial Vehicles, Compressors, Ventilators...

This mount is suitable for the isolation of mobile rotating machines which are exposed to axial and radial shocks, dripping oil or diesel or exposure to the weather.

### MARINE CERTIFICATES



BSB 60  
BSB 80  
BSB 95  
BSB 110  
BSB 125  
BSB 150



Square base  
BSB 150  
BSB 160  
BSB 180  
BSB 220

Type	Tightening torque MAX (Nm)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	G (mm)	Weight (gr)	D1 (Min.)	D2 (Max.)	Shore	Load (kg)	Code	Price
BSB 60 M10	32	64	34	M-10	110	9	2,5	235	76,5	90,5	40 Sh	70	135106	
											50 Sh	130	135109	
											60 Sh	170	135107	
											70 Sh	245	135108	
BSB 60 M12	55	64	34	M-12	110	9	2,5	235	76,5	90,5	40 Sh	70	135406	
											50 Sh	130	135407	
											60 Sh	170	135408	
											70 Sh	245	135409	
BSB 80 M10	32	78	31	M-10	130	9,2	3	355	108,2	111,2	40 Sh	110	135261	
											50 Sh	160	135262	
											60 Sh	230	135263	
											70 Sh	300	135264	
BSB 80 M12	55	78	31	M-12	130	9,2	3	351	108,2	111,2	40 Sh	110	135265	
											50 Sh	160	135266	
											60 Sh	230	135267	
											70 Sh	300	135268	
BSB 95 M10	32	92	34	M-10	150	10	3	488	122	126,4	40 Sh	180	135311	
											50 Sh	230	135312	
											60 Sh	270	135313	
											70 Sh	330	135314	
BSB 95 M12	55	92	34	M-12	150	10	3	488	122	126,4	40 Sh	180	135315	
											50 Sh	230	135316	
											60 Sh	270	135317	
											70 Sh	330	135318	
BSB 110 M12	55	106	37	M-12	175	13	3	785	137	149	40 Sh	250	135335	
											50 Sh	350	135336	
											60 Sh	450	135337	
											70 Sh	550	135338	
BSB 110 M16	125	106	37	M-16	175	13	3	785	137	149	40 Sh	250	135150	
											50 Sh	350	135151	
											60 Sh	450	135152	
											70 Sh	550	135153	
BSB 125	125	123	43	M-16	190	14	4	1109	154	162	40 Sh	450	135351	
											50 Sh	550	135352	
											60 Sh	690	135353	
											70 Sh	900	135354	
BSB 150 S.B.	125	156	49	M-16	164	14,5	4	2060	125	132	40 Sh	750	135371	
											50 Sh	950	135372	
											60 Sh	1300	135373	
											70 Sh	1650	135374	
BSB 150	125	156	49	M-16	218	14,5	4	1818	176	188	40 Sh	750	135361	
											50 Sh	950	135362	
											60 Sh	1300	135363	
											70 Sh	1650	135364	
BSB 160	190	156	57	M-20	170	14,5	4	2200	140	140	40 Sh	900	135381	
											50 Sh	1200	135382	
											60 Sh	1600	135383	
											70 Sh	2300	135384	
BSB 180	190	180	67	M-20	192	14,5	4	2900	149	163	40 Sh	1300	135181	
											50 Sh	1750	135184	
											60 Sh	2100	135182	
											70 Sh	2900	135183	
BSB 220	285	230	105	M-24	220	19	6	6716	180	180	40 Sh	2500	135301	
											50 Sh	3200	135302	
											60 Sh	4000	135303	
											70 Sh	5000	135304	

B.C.: Square Base

\*All prices displayed in €

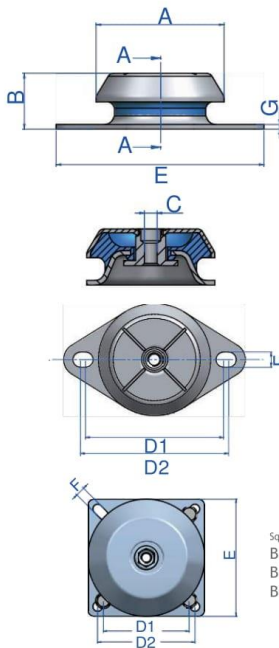
# Mecanocaucho® Type BRB



### APPLICATIONS

This mount is suitable for the isolation of mobile rotating machines which are exposed to axial and radial shocks, dripping oil, diesel or exposure to the weather. It is particularly interesting for applications where a high level of vibration isolation is required.

### MARINE CERTIFICATES



BRB 50  
BRB 60  
BRB 65  
BRB 70  
BRB 80  
BRB 95  
BRB 100  
BRB 110  
BRB 125  
BRB 150

Square Base  
BRB 150  
BRB 180  
BRB 220

Type	Tightening torque MAX (Nm)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	G (mm)	Weight (gr)	D1 (Min.)	D2 (Max.)	Shore	Load (kg)	Code	Price
BRB 45	16	50	32	M-8	85	6,5	2	131	61	70	40 Sh	12	135137	
											50 Sh	18	135138	
											60 Sh	25	135139	
BRB 50	16	50	25	M-8	85	6,5	2	117	61	70	40 Sh	20	135451	
											50 Sh	40	135453	
											60 Sh	60	135455	
											70 Sh	80	135457	
BRB 60	32	64	35	M-10	110	9	2,5	225	76,5	90,5	40 Sh	30	135101	
											50 Sh	45	135405	
											60 Sh	65	135103	
											70 Sh	75	135104	
BRB 65 M10	32	64	35	M-10	110	9	2,5	243	76,5	90,5	40 Sh	50	135421	
											50 Sh	75	135422	
											60 Sh	120	135423	
											70 Sh	140	135424	
BRB 65 M12	55	64	35	M-12	110	9	2,5	243	76,5	90,5	40 Sh	50	135431	
											50 Sh	75	135432	
											60 Sh	120	135433	
											70 Sh	140	135434	
BRB 70	55	64	35	M-12	120	11	3	253	100	100	40 Sh	50	135251	
											50 Sh	75	135252	
											60 Sh	120	135253	
											70 Sh	140	135254	
BRB 80 M10	32	83	35	M-10	135	11	3	398	108	112	40 Sh	80	135231	
											50 Sh	130	135232	
											60 Sh	175	135233	
											70 Sh	235	135234	
BRB 80 M12	55	83	35	M-12	135	11	3	398	108	112	40 Sh	80	135275	
											50 Sh	130	135276	
											60 Sh	175	135277	
											70 Sh	235	135278	
BRB 95 M10	32	92	39	M-10	150	10	3	657	122	126,6	40 Sh	150	135771	
											50 Sh	260	135772	
											60 Sh	330	135773	
											70 Sh	390	135774	
BRB 95 M12	55	92	39	M-12	150	10	3	657	122	126,6	40 Sh	150	135761	
											50 Sh	260	135762	
											60 Sh	330	135763	
											70 Sh	390	135764	
BRB 110 M12	55	106	41	M-12	175	13	3	857	137	149	40 Sh	200	135241	
											50 Sh	305	135242	
											60 Sh	420	135243	
											70 Sh	450	135244	
BRB 110 M16	125	106	41	M-16	175	13	3	857	137	149	40 Sh	200	135331	
											50 Sh	305	135332	
											60 Sh	420	135333	
											70 Sh	450	135334	
BRB 125	125	123	48	M-16	190	14	4	1170	154	162	40 Sh	350	135618	
											50 Sh	500	135620	
											60 Sh	700	135622	
											70 Sh	900	135624	
BRB 150 S.B.	125	156	53,5	M-16	164	14,5	4	2030	125	132	40 Sh	450	135205	
											50 Sh	570	135206	
											60 Sh	800	135207	
											70 Sh	1000	135208	
BRB 150	125	156	53,5	M-16	218	14,5	4	1840	176	188	40 Sh	450	135161	
											50 Sh	570	135162	
											60 Sh	800	135163	
											70 Sh	1000	135164	
BRB 180	190	186	84	M-20	181	14	5	3800	146	150	40 Sh	875	135391	
											50 Sh	1200	135392	
											60 Sh	1700	135393	
											70 Sh	2400	135394	
BRB 220	285	230	105	M-24	220	19	6	7453	180	180	40 Sh	1600	135201	
											50 Sh	2400	135200	
											60 Sh	3400	135202	
											70 Sh	4200	135203	

\*All prices displayed in €

When 2dB at low frequencies  
make the difference



***For Details :*** [info@vizyonendustriyelyalitim.com](mailto:info@vizyonendustriyelyalitim.com)



***For Details:*** [info@vizyonendustriyelyalitim.com](mailto:info@vizyonendustriyelyalitim.com)



# **vizyon**®

**ENDÜSTRİYEL**

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