



STP Crystal

STP CRYSTAL is a multilayer combined construct consisting of:

- a facing layer (aluminium foil);
- a sound-absorbing layer;
- a polymer mounting layer based on caoutchouc mix and covered with an anti-adhesive coating (paper or PET film).

The product is supplied in the form 2 hexagon panels. Together with noise and vibration reduction, the detail is used for acoustic systems' sound pressure neutralizing in order to eliminate reflected waves and to achieve clear, true and perfect sounding without distortion. The detail is installed inside an acoustic system behind a dynamic speaker. The temperature range of exploitation of the product is from -40 to + 80 °C.

Coefficient nomination	Specification	Testing method
Thickness, mm	15±4	TD 5760-003-73212626-2010
Flammability, rate of combustion, mm/min, not more than	Non-flammable 100	GOST 25076
Sound absorption factor, not less	0,1	GOST 16297
Mechanical loss rate at frequency of 200 GHz at temperature of 200 C° for steel 0,8 mm thick, c. u., min	0,2	DIN EN ISO 6721-3
Facing layer-to sound absorbing layer bond strength, N cm, min	1,5	GOST 17317

Transportation and storage

Transportation

The material must be handled under the conditions eliminating moisture penetration. It is prohibited to drop or bend packages while handling.

Packages with the material must be transported horizontally on a plane surface in any roofed transport in accordance with haulage rules for this mode of transport under conditions eliminating mechanical damages and deformation of the product and moisture penetration.

The product must be transported in piles not higher than 1,0 m (5 tiers maximum). Piles must not be put closer than 5 cm to the side of the vehicle or to another pile in the direction of traffic to

avoid piles shifting at braking. Piles must be of equal height. It is prohibited to put metal or similar objects on piles.

In case the product is transported at temperature below 15°C, it must be loaded and unloaded in the supplier's package under the conditions eliminating bending and shock impact.

Storage

The product must be stored at temperature not higher than +40°C, horizontally, on a plane surface not closer than 1 m to heating appliances under the conditions eliminating moisture and oil penetration and exposure to sunlight, in piles not higher than 1,0 m (5 tiers maximum).



Installation and exploitation requirements

The detail is to be installed on clean and dry plane surfaces. The temperature range during installation is from +18 to +30°C.

Preparation to installation

In case the details are stored at temperature below +15 degrees Celsius, they must be kept at temperature from +18 to +30 °C for not less than 24 hours in supplier's package before installation.

Installation

The anti-adhesive coating should be taken off. The edge of the detail should be put on the mounting surface and pressed to it step-by-step, without additional pressure, avoiding air blisters formation. Any attempts to peel the detail off after installation may cause its destruction.

Exploitation requirements

The details must be exploited under conditions eliminating constant contact with organic solvents and moisture penetration.

True extract
Quality Control Department Specialist
LLC "Standartplast"