

ISOPOL 854

SHOCK ABSORBENT UNDERFLOOR

General characteristics:

Elastic, prefabricated roll made of polymerically bound recycled rubber particles for shock-absorbency, in thickness 3-12mm. It offers noise abatement, it has excellent performance in slip resistance and fire behavior, it is flexible and environmentally friendly. It is covered with the acrylic coating ELASTOTURF 851 or self-leveling PU coating, in thickness of 2mm, for the creation of athletic floorings for interior & exterior surfaces like basketball, volleyball, handball & tennis courts as well as for playgrounds. Its special cushion properties are indeed recommended for multipurpose.

It is fully elastic, resistant against moisture, heat and mildew. It is environmentally safe and is not health hazardous. It is easily installed using simple techniques, with the parallel use of PU elastic glue.

SUITABLE FOR EXTERNAL & INTERNAL COURTS WITH ACRYLIC TOP COATINGS, INTERNAL HALLS WITH P. U. TOP COATING, GYMS AND GENERALLY AREAS WHICH NEED HIGH ELASTIC FLOORING. IDEAL ALSO AS SUB-FLOOR FOR ATHLETIC TRACKS AND SYNTHETIC

Application method:

- The sub-surface on which the material will be installed must be completely dry and clear of all foreign matter and free of dust, dirt, oil or any kind of spills.
- The material surface will follow the contours of the sub-surface, which it covers. The smoother the sub-surface, the better the shock-absorbent material surfacing finish.
- Spread special PU glue elastic evenly with consumption 700-800gr/m². Weights such as sand bags have to be used on the edges, corners and seams of the shock absorbent roll surface installation until the PU glue elastic is cured. Do not overlap adhesive applications as this will cause butt-joints to 'stand up' along the seams.
- Lay shock absorbent roll and form a tight butt together and eliminate any gaps.
- To achieve tight seams, it will be necessary to trim sides and/or the ends of the rolls.
- After the shock absorbent roll is placed onto the adhesive, it is recommended that the entire surface be rolled using a 50 kg. hand-held flooring roller. This is done to embed shock absorbent roll into the adhesive and eliminate any entrapped air and must be done simultaneously.
- Application of the special self-leveling material ELASTOTURF (851) as final coating, in 2mm thickness in three or more layers, the next after the previous starts to dry or application of self-leveling POLYURETHANE, after closing all the pores of the roll with special PU stucco.



Colour: black

Surface: fine tuned granules structure

Package: rolls with dimensions :

Width : 1500mm ± 1,5% &

Length (± 1,5%) : 40m in 3mm thickness, 30m in 4mm thickness, 24m in 5mm thickness, 20m in 6mm thickness, 17m in 7mm thickness, 15m in 8mm thickness, 13m in 9mm thickness, 12m in 10mm thickness, 10m in 12mm thickness

Thickness: available in 3, 4, 5, 6, 7, 8, 9, 10 & 12mm.

density: ca. 770 kg/m³

Test results

Tensile strength: approx. 0,6 MPa (DIN 53571)

Tear resistance: approx. 60 % (DIN 53571)

Force reduction*: 8 mm Isopol 27 %

10 mm Isopol 32 %

12 mm Isopol 35 %

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Standard deformation*: 8 mm Isopol 1,0 mm
10 mm Isopol 1,2 mm
12 mm Isopol 1,3 mm

* Values measured on a sport hall system sample.
10 and 12 mm systems with polyester mesh.
Materials and quantities are specified on the test reports.

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