

ISOPOL 854

SHOCK ABSORBENT UNDERFLOOR

GENERAL CHARACTERISTICS

Elastic, prefabricated roll made of polymerically bound recycled rubber particles for shock-absorbency, in thickness 3-14mm. 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, football and 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, CROSSING AREAS AND GENERALLY AREAS WHICH NEED HIGH ELASTIC FLOORING. IDEAL ALSO AS SUB-FLOOR FOR ATHLETIC TRACKS AND SYNTHETIC.

PREPARATION- APPLICATION

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 finishes.

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 acrylic material **ELASTOTURF (851)** as final coating, in 2mm thickness in three or more layers, the next layer after the previous starts to dry or application of **POLYFLEX-PU indoor system**, comprising three different materials.

COLOR

Black.

SURFACE

fine tuned granules structure.

PACKAGING

rolls with dimensions:

Width : 1050mm or 1250mm ± 1,5% &

Length (± 1,5%) : 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.

THICKNESS

Available in 4, 5, 6, 7, 8, 9, 10 and 12mm.

DENSITY

Ca.820 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 %

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 mash.

The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of KDF LTD.