

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. The point elastic sport surface possess good elasticity and force reduction characteristics as well as fulfilling a protective function for the athletes' joints and muscles. 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 PU top coating, gyms, cross-fit areas and generally areas which need 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 the PU glue evenly with consumption 1kg/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 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

KDF

Sports Flooring Systems & Building Materials

50 YEARS OF EXPERIENCE

thickness in three or more layers or application of **POLYFLEX-PU indoor system**, comprising three different materials.

COLOR Black.

SURFACE Fine tuned granules structure.

DIMENSIONS Rolls Width : 1050mm, 1250mm or 2100mm \pm 1.5%
Rolls Length according to demand.

THICKNESS 4- 12mm \pm 0.3mm

DENSITY 730 kg/m³ \pm 5%

TECHNICAL DATA

Tensile strength:	approx.0,56 MPa at 7mm: approx. 0,65 MPa at 10mm (DIN EN ISO 1978)
Elongation at break:	approx.57% at 7mm: approx. 60% at 10mm (DIN EN ISO 1978)
Force reduction*:	8 mm Isopol 25 % 10 mm Isopol 30 % (Value for mats only, not on complete floor)

Vertical deformation*: 1,2 mm at 8 mm Isopol

*Values measured on a sport hall system sample.

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.

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