

TECHNICAL DATA SHEET - PUZZLE MAT 3D® NEGATIVE CORNER ELEMENT

Brief description of the Puzzle Mat 3D® negative corner element:

The fall-protection rubber tile made from recycled rubber granules are particularly suitable for playground fall-protection. The "Puzzle Mat 3D® negative corner element" surface is open-pored smooth, and 4 cm wide drainages are installed for water drainage on the underside of the impact protection tiles. Each negative corner element has two vertical elements arranged at a right angle. The negative corner tiles are compatible with both the PM3D and the PM3D edge and corner elements. When assembled, the elements have dimensions of 55 x 25 cm each.



*Negative corner element A beveled
with intermediate elements*



*Negative corner element B beveled
without intermediate elements*



*Negative corner element C beveled
with mixed intermediate elements*



*Negative corner element D beveled
with mixed intermediate elements*



*Negative corner element A straight
with intermediate elements*



*Negative corner element B straight
without intermediate elements*



*Negative corner element C straight
with mixed intermediate elements*



*Negative corner element D straight
with mixed intermediate elements*

Colour variations:

The elastic rubber tiles are available in the four basic colours red, green, black, and grey. Small colour defects and differences are possible due to the differences in the recycled base materials.



Red



Green



Black



Grey

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Materials used (90% recycled material - 10% new material):

Base material:	Recycled rubber granules (1-3 mm grain size)
Binder:	PU adhesive
Colourants:	
(red product)	red powder colour
(green product)	green powder colour
(grey product)	grey powder colour

Sizes, weights:

Thickness	Size	Joint protection value	Weight / pc*
4,5 cm	Two times 55 x 25 cm	70%	6,38 / 7,22 kg
6,0 cm	Two times 55 x 25 cm	71%	7,62 / 9,10 kg
8,0 cm	Two times 55 x 25 cm	74%	10,20 / 12,30 kg

*For the negative corner elements, the higher weight always refers to the straight version.

Fire protection class:

E_{fl} (flammability by direct flame action, burning behaviour by radiant heat)

Evaluation method

- MSZ EN 13501-1:2007+A1:2010
- MSZ EN ISO 11925-2:2011
- MSZ EN ISO 9239-1:2011

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Possible Installation

Negative corner elements, as shown in Figure 1, are edge elements cut during production. Negative corner elements can be used for installations in an L-shape or for removal. The negative corner elements can be ordered in versions A, B, C, and D, and can be installed as shown in the following Figure 2:

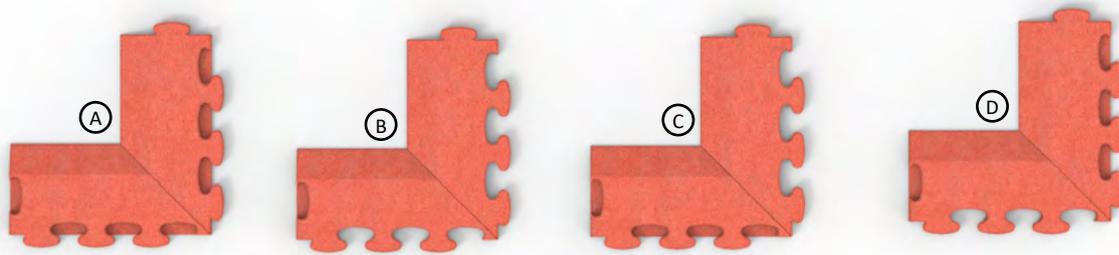


Figure 1

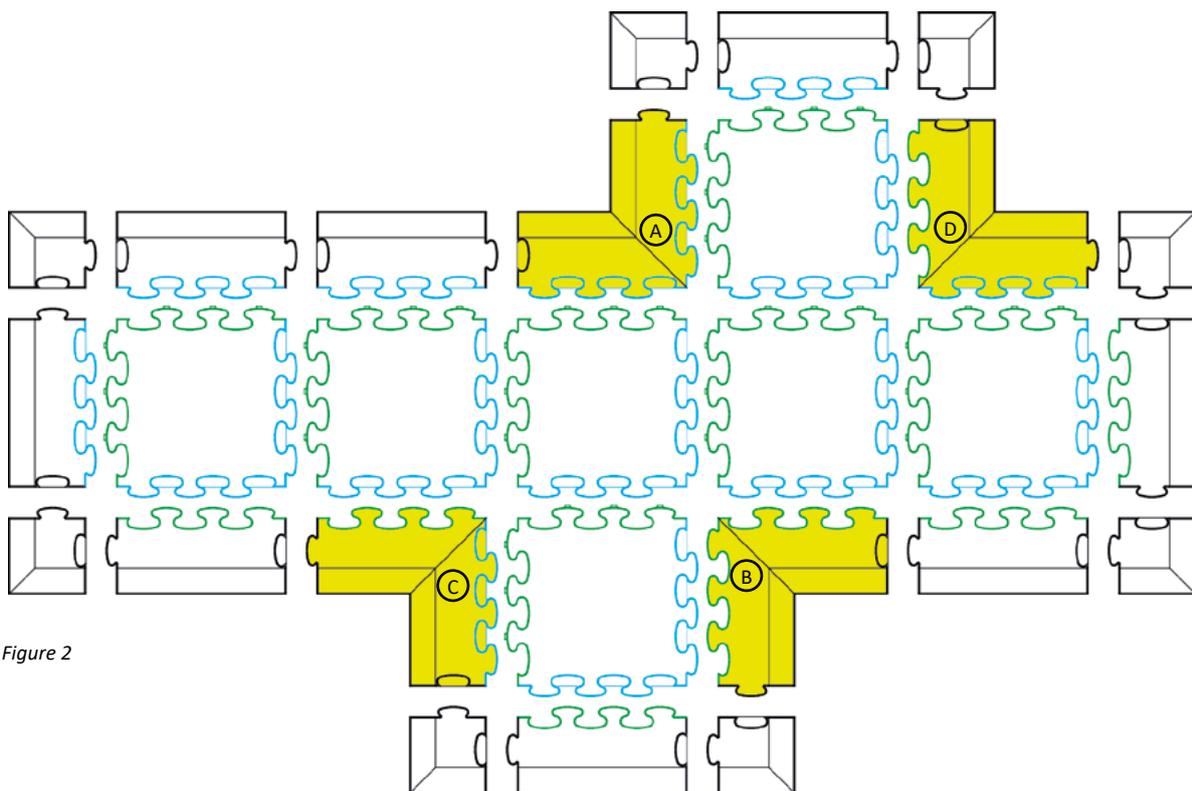


Figure 2