

Impakt Safety Padding Systems for Speed Skating and Short Track Speed Skating Technical Information: Cover Sheet Material

(for all the *Impakt Safety* protection mats and systems)

The cover sheet is made in woven Btex®, yield of deep researches and experimentations. Btex® beyond being a recorded brand, is a material that is used exclusively by the Bortolotto company.

The woven has a special superficial engraving, specially studied to confer the covering an excellent antiabrasiv result. Btex® has an excellent mechanical resistance, supports high thermal jerks and guarantees therefore the softness to up to -20 degree celcius and a considerable duration in time. Therefore the mats can be placed and left for long periods on the ice without getting stiff and hard, as it happens normally with traditional nylon an pvc covers. Besides these features, Btex® is fireproof, antiallergical, sanitized, waterproof and easy cleanable, has a good resistance to the UVA rays and can be personalized by digital printings.



This material comes in two different thickness which can be chosen to fit specific needs

Characteristics:

	U/M	Value
Btex® 1		
Weight	g/mq	600=10%
Thickness	mm	1,1=0,2
Lengthwise breaking load	N	>400
Transversal breaking load	N	>200
Stretching to transversal disruption	%	40:100
Stretching to lengthwise disruption	%	130:200
Fireproof	-	Class 2



Particularity of the covering

The protection systems are realized with special openings by using a synthetic net. The surfaces of the net are dimensioned to exude the restrained air at the inside of the protections with a precise relation between speed and time of evacuation.

To make the use of the protections also feasible for open air Venues, the net can be covered with a special membrane that allows the exit of the air and hinders water to enter.

Considerable functional is the free system of protections (without rigid boards) realized with poles. Straps of high resistance and controlled tension, placed at different heights at the back side of the protections guarantee an even higher absorption of the impact speed and avoids the bounce back effect.

The protection systems foresee special elements to couple the single mats and appropriate systems to fix the protection mats to the rink boards.

Special cut resistant textures are under evaluation and testings for a future application, with the main goal to keep the softness of the cover sheet.

Impakt sport Equipment s.r.l.
General Manager
Diego Cattani

A handwritten signature in black ink, appearing to read "Diego Cattani", is written over a light blue horizontal line.

The logo for ImpaKt Sport Equipment S.r.L., featuring the word "ImpaKt" in a large, bold, black, handwritten-style font, with "Sport Equipment S.r.L." in a smaller, black, sans-serif font below it.