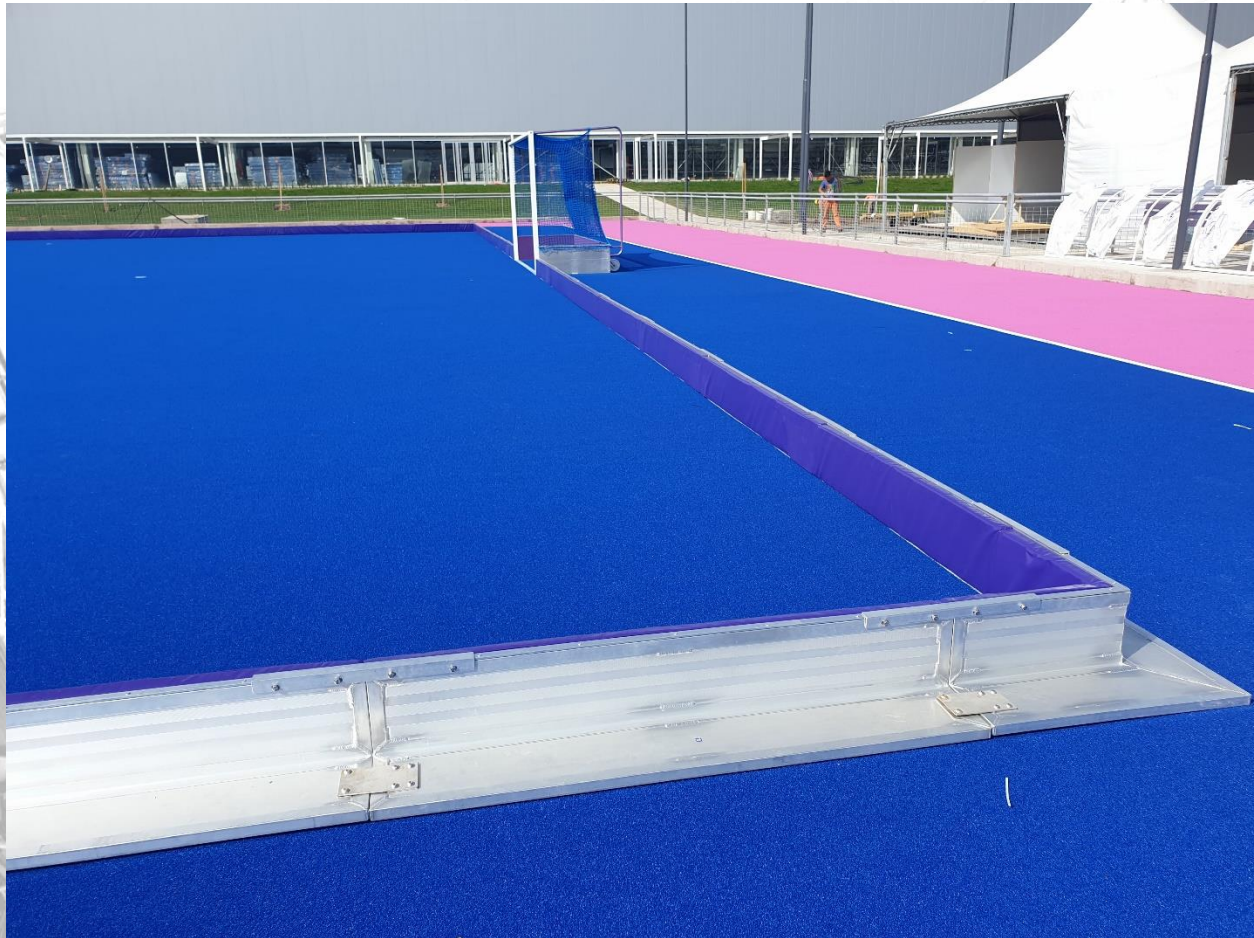


Hockey 5s Rebound Board Mobile “COMPETITION”



The hockey 5s rebound board competition is made from special aluminium profiles. The boards are equipped with a special foam, which is surrounded by a PVC cover. The rebound boards can be locked with each other easily. They measure a height 25 cm. One set consists of corner pieces and straight pieces. One set is designed to cover a full pitch of 48 x 31.76 m. The front cover is designed in a way to give the required ball return. Therefore, a special foam was chosen to create the ball rebound to keep the game exciting. To enhance the lifetime of this product the foam is covered in weatherproof PVC. The item is designed for competitions of the highest FIH standards.

[The hockey 5s rebound board competition was used in Youth Olympic Games Buenos Aires 2018.](#)



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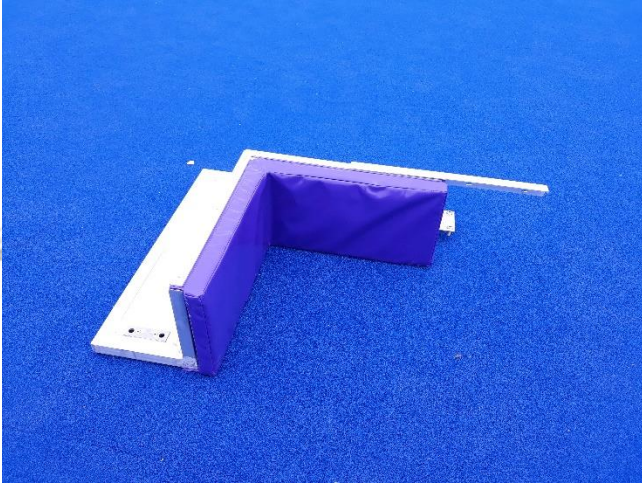
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Hockey 5s

In the recent years FIH (International Hockey Federation) has worked on a new type of hockey: the hockey 5s. This exciting new format is played with less players (5 per team) on a smaller field in three 15-minute periods. The smaller number of players makes it easier to find sufficient players for a game. The smaller field makes the game faster and creates more goal chances. The shorter periods allow not so fit players to enjoy the game as well and go all out. Additionally, there is no draws. If both teams scored evenly at the end of 3 periods, an overtime will be added to determine the winner. The playing field is surround by rebound boards, which keep the ball inside the playing field.

Rebound Board Development

As the FIH is very focused on maintaining their competition facilities in top conditions the new rebound boards also have to adhere to these standards. The boards need to surround the 48 m long and 31.76m wide hockey 5s field. The boards need to be fixed to each other and maintain the shape of the field. The structure must not obstruct the player or harm him/her in any way. Additionally, the rebound boards are required to bounce the ball back into the field. As the hockey 5s is a fast and fun version of the hockey, the ball shall bounce back at high speed to keep the game exciting. For the boards various materials were proposed and tested in agreement with the FIH. In the initial stages the rebound for three different materials was tested and analysed by high speed cameras. Soon the PU foam showed the best results for the required ball return. Further tests determined the optimum thickness of the material. In order to make the products last, under any weather condition the foam was surrounded by weatherproof PVC covers. Once the internal testing delivered the desired results, external parties were invited to test and verify the products. The product was tested in the Malaysian Hockey Stadium and sent for verification to the FIH's own test lab in Switzerland as well as their external test lab in the UK. After the suitability of the product has been verified by the FIH, the rebound boards for the 3rd Summer Youth Olympic Games 2018 in Buenos Aires were manufactured.