

ecopolimer

PRESENTS



SAFETY FLOORING FOR SHOOTING RANGES

Tested by Banco Nazionale di Prova - Gardone Valtrompia - Italy

Eco-Bang prevents rebound of projectiles accidentally shot in lines of fire
Tested with angles of impact of 10°, 30° and 90°



Fire reaction: **CLASS 1**

 is a **safety flooring for shooting ranges**, studied and built to prevent dangerous rebounds of bullets accidentally shot in lines of fire.

Particular density, nature of rubber and shape of the bottom layer ensure a slow speed of the projectile before impact with the floor under the tile. It prevents that bullet could rebound and drill again the tile in opposite direction. **Risk of return of the bullet against the shooter is eliminated.**

Eco-bang has been tested by **Banco Nazionale di Prova** of Gardone Valtrompia with all bullets normally used in civilian and military shooting ranges, with short and long weapons. Tests had positive results with different angles of impact: **90°, 30° and 10° covering all potential risks.**

Eco-bang is in **classe 1** as fire reaction.

Laying doesn't require specialized manpower. Tiles must be settled on concrete without glue. They could be easily removed for cleaning or replacing the damaged ones.

Upper layer is a vinyl anti-reflective material reinforced by mineral additives and fibreglass with excellent wear resistant and easy maintenance.

eco-BANG

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Technical Sheet

Name of product	eco-bang
Composition	
a) Upper Layer	: Polyurethane reinforced by fiberglass and mineral additives thickness 3 mm.
Abrasion resistance	ASTM d 1044 mole H22-500 gr. mg./100b giri 11,5
Stiffness	UNI 4916 Shore A 82
Dimensional stability	UNI 5574 transverse variation % 0,4
Residual Indentation	UNI 5574 mm. 0,1
Light stability	UNI 7097 > 6
b) Lower Layer	: agglomerate of rubber granules thickness 32 mm.
Dimensions	mm.485 x 485 (+/- 1%) thicknes 35 (eco-bang 35) mm.485 x 485 (+/- 1%) thickness 45 (eco-bang 45)
Weight	eco-bang 35: 31 kg./sqm. eco-bang 45: 41 kg./sqm.
Laying	free laying on concrete min.RBK 350
Ballistic Tests	made by Banco Nazionale di Prova - Gardone Valrompia (BS) Italy
Tested Caliber	eco-bang 35 cal. 9 mm. Brownig short FMJ, LRN with Beretta semiautomatic Mod.34 cal. 9 mm. Luger FMJ,LRN,JHP,JSP with Beretta semiautomatic Mod.92S cal. 9 mm. Luger FMJ with machine gun Beretta mod. 12S cal. 38 Special LEAD, FMJ, JHP, WC, JSP with revolver Smith&Wesson mod. 686 cal. 40 S&W FMJ TC, LRN TFL,JHP with semiautomatic gun Tanfoglio mod.P21 cal. 357 Magnum LRN, FMJ, JHP, JSP with revolver S&W mod.686 - 6" barrel cal. 44 Remington Magnum FMJ, LRN, JHP, JSP with Uberti repeating rifle eco-bang 45 cal.5,56x45 Nato FMJ with semiautomatic Beretta rifle mod. AR 79/90 cal.7,62x51 Nato FMJ with rifle Sabatti mod.Rover
Angles of Impact	90° and 30° on all calibers above indicated, also 10° on cal.9, 38 Special and 40 S&W
Fire Reaction Tests	made by CSI spa - Bollate(MI) – Italy in compliance with D.M.26/6/84 for Class 1 omologation. Ministerial Omologation class 1

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