



Description

Under Sleeper Pad RBG-USP is specially designed for application under concrete sleeper for ballasted track. Made from a thermomechanical devulcanization process followed by a vulcanization process with a non-woven layer for an assembly into wet concrete during the production process of the sleeper. The USP product is 100% recyclable and part of RBG effort for circular economy and complete the recycle loop: Recycle, Re-Use, Re-make, Repeat.

Application

In ballasted track, RBG-USP positive effects are :

- Ballast protection by dynamic loads reduction
- Track stabilisation
- Improvement of track quality (decreasing of wear)
- Reduction in the thickness of ballast to the creation of the track

General Properties

Property	RG-BMD
Material	Devulcanized rubber + Polypropylene
Colour	Black
Thickness	Defined by customer specification
Appearance and Option	Flat on bottom face and top face Npn-woven layer on top face
Dimensions	As per sleeper manufacturer specification
Quantity per sleeper	2 pieces per sleeper
Static Stiffness	0.15 to 0.35 N/mm ³ (EN16730-2016)
Dynamic Stiffness	0.20 to 0.42 N/mm ³ (EN 16730-2016)
Density	1180 kg/m ³

Flamability	Level B2
Pull out Strength concrete/ Rubber	>0.5 N/mm ²
Hardness (Shore A)	50 to 80
Cold Resistance	-50°C
Environmental impact	100 % recycled 100 % recyclable

Other characteristics upon request

