

Mix-Bac™

**48** Bottles  
= **1m<sup>2</sup> Mix-Bac**

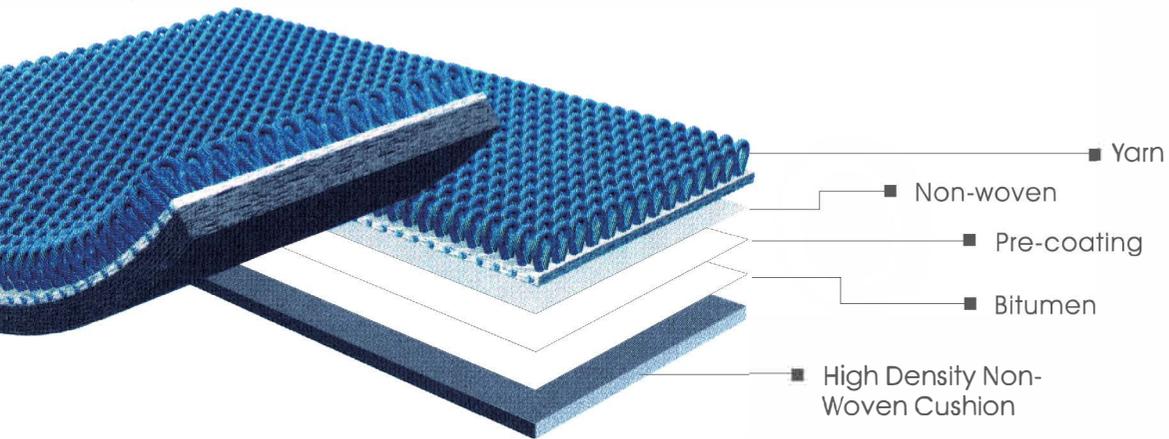




## **48 Bottles = 1m<sup>2</sup> Mix-Bac<sup>®</sup>**

Global bottled water consumption is over 29 liters per person, per years. Unfortunately, many of these bottles are not recycled. Used bottle is piling up. We recycled used bottles to create our sustainable Mix-Bac<sup>®</sup> backing.

Used bottles are cleaned, sorted, crushed and made into pellets, which is then manufactured into our non-woven fabric.



Mix-Bac<sup>®</sup> backing system is developed as a kind of high end carpet tile backing system. It exemplifies the characteristics of environmental protection, a soft cozy feeling, safety and dimensional stability.

From the fundamental design, technology and selection of materials, Mix-Bac<sup>®</sup> marks a new era in the development of high-performance and environmentally friendly backing system.

Innovative, high density, non-woven fabric is used in our Mix-Bac<sup>®</sup> backing system.

Traditional non-woven fabric is processed by adhesive that may pollute the cloth by chemicals such as formaldehyde. But Mix-Bac's new high-density non-woven negates the use of toxic adhesives as the fabric is adhered together in a heat treatment process of integrating special fiber so as to eliminate any possible pollution.

Recycled content account for a large proportion of the non-woven fabric, making this backing system an environment preferable product(EPP).

Bitumen, greatly applied in Mix-Bac<sup>®</sup>, is recycled content in itself.

In addition to achieving a high Eco-content in this backing system, it has the added advantage of noise reduction also assisting greater heating and cooling insulation properties.

These advantages provide a more comfortable and sustainable working environment not currently measured.

## Mix-Bac® Outstanding Features

- Performance Enhancement
- Superior Dimensional Stability
- Cushioning Effect Reduces Leg Fatigue
- Reduces Carpet Fiber Crush, Wear and Tear
- Sound Absorption
- PVC Free
- Environmentally Friendly
- 100% Recyclable ISO 14001 Registered Facility
- Contributes to LEED Credits
- CRI Green Label Plus Certification
- Impermeable Moisture Barrier

## Content

### Total Percentage ( by mass )



Recycled

Post-Industrial Content: 6%-7%

Post-Consumer Content:  
23%-27%

Recyclable content  
100%



The Specifications are averages derived from product sample testing and are subject to normal manufacturing tolerances and testing tolerances.

Compliance to Indoor Air Quality by Carpet and Rug Institute monitoring program.

Low VOCs into the air improve workplace and safety.



## Superior Dimensional Stability

Mix-Bac® has been developed using a special process to obtain a superior dimensional stability. High dimensional stability, delamination resistance.



## Luxurious Walking Comfort

Mix-Bac® is a cushion backing that effectively absorbs foot impact, and as a result, reduces leg muscle fatigue to a greater degree as compared with other hard flooring. Comfort under foot translates to higher overall productivity in the workplace. Enhance comfort and roller mobility.

## General Specifications

### Performance

Dimensional Stability: AACHEN

Delamination : ASTM D3936

### Sound Absorption:

BS EN ISO 354

BS EN ISO 10140-3

### Flammability

Radiant Panel Test: Passes ASTM E 648

Smoke Density Test: Passes ASTM E 662