



# EcoSoft®

Best Choice for Wet Concrete Slabs

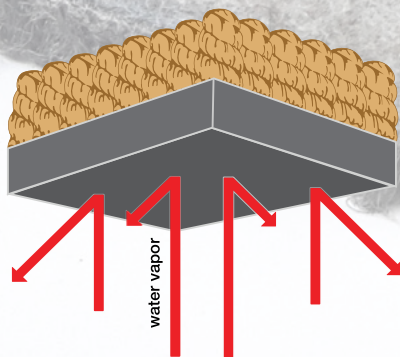
Carpets Inter®

# EcoSoft® is a breathable cushion backing for Carpets Inter carpet tiles that allows moisture to release from the wet concrete slab.

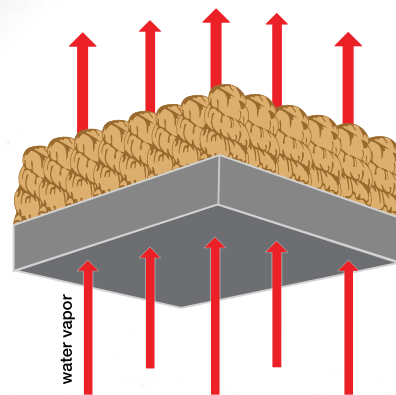
- Breathable PET felt backed carpet tile allows for moisture release
- No additional floor sealant or moisture barrier required
- Alleviates installation delay waiting for damp concrete to dry
- Permanent adhesion; eliminates failure of water based adhesive due to moisture entrapment
- Avoids odor from degradation of phthalate plasticisers in PVC
- Prevents mold growth
- Permanent dimensional stability over new wet slab
- EcoSoft backed carpet tiles will retain their dimensional stability. Any dimensional change due to normal atmospheric conditions will be within internationally accepted tolerances as measured under BS EN 986 < 0.15% test method.

**EcoSoft backed carpet tile is warranted for installation over new wet concrete slabs with up to 99% RH (by ASTM F2170-11) or 20 lbs of moisture/1000 ft<sup>2</sup> / 24 h (by ASTM F1869-11).**

“Concrete slab moisture can cause problems with the adhesion of floor covering material, such as tile, sheet flooring, or carpet and bond-related failures of non-breathable flooring coatings. Many adhesives used for installation of floor coverings are more water-sensitive than in the past, due to restrictions on the use of volatile organic compounds (VOCs). To warranty their products, manufacturers require that the moisture emission from the hardened concrete slab be less than some threshold value prior to installing floor coverings or coatings. Fast-track construction schedules exacerbate the problem when floor-surfacing material is installed before the concrete slab has dried to an acceptable level.” (National Ready Mixed Concrete Association, NRMCA)



**PVC backed does not release water vapor from slab.**



**EcoSoft releases water vapor.**



## Water Vapor Transmission (g/hr.sq.m.)

**EcoSoft®** CARPET TILE

3.17

BROADLOOM CARPET  
ON RUBBER UNDERLAY

0.99

BROADLOOM CARPET  
ON FOAM UNDERLAY

0.87

PVC CARPET TILE

0.67

BITUMEN CARPET TILE

0.06

Figure 1 Comparison between EcoSoft® and other types of carpet under the ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials

Entrapped moisture will create a problem under the floor covering if a new concrete slab is prematurely sealed. The preventative measure most often used is a vapor barrier between the concrete and the flooring material. This might solve some adhesive issues, but the moisture that remains trapped in the concrete by the vapor barrier can lead to mold and mildew growth.



Figure 2 EcoSoft® Vs. PVC carpet tiles on new concrete slab (MVER 20 lbs./1,000 sq.ft./24hrs) after one week of installation

### Headquarters

2054 New Petchburi Road  
Bangkapi, Huaykwang, Bangkok 10310 Thailand  
Tel +66 (0) 2314-5402, Fax +66 (0) 2318-3537  
[www.carpetsinter.com](http://www.carpetsinter.com), [info@carpetsinter.com](mailto:info@carpetsinter.com)