

ADHESIVE PRODUCT SUGGESTION

ONTERA B2(POLYOLEFIN) HARD BACKED & CUSHION BACKED CARPET TILES

Adhesives for installation of Ontera Modular Carpets. Ontera carpet tiles should be installed using only the recommended Pressure Sensitive adhesives to allow easy installation and removal.

Adhesive

- Adhesive should be a water based pressure sensitive acrylic product.
- A full spread of adhesive must be applied to the subfloor at all times.
- Your adhesive supplier will recommend how to apply the adhesive eg roller or notched trowel
- A low VOC emitting adhesive is recommended for minimal environmental impact during installation.
- Consult your adhesive company for their recommendations, application rates and warranties.

In addition, the specification for the adhesive must be solvent free, as low solvent adhesives are not acceptable.

However, the prevalence of 'green' concrete slabs with a combination of high levels of moisture and alkalinity has led to a number of instances where odours caused by alkaline hydrolysis have occurred. There are no documented cases where Ontera carpet tiles were the direct cause of such odour problems.

Ontera has tested a number of adhesives for use in these situations, and as a result Ontera, suggests you choose from the following Pressure Sensitive Adhesive products:

- 1) Intafloors Ultra Stix can be used when concrete substrates with moisture levels up to 80% RH and alkalinity levels up to pH 9 are present. When moisture levels exceed 85% RH, substrates require appropriate sealing. (Refer to Intafloors for their recommendation).
- 2) RLA GS300 or Roberts R656, can be used when concrete substrates with moisture levels up to 85% RH and alkalinity levels up to pH 12 are present. When moisture levels exceed 85% RH, substrates require appropriate sealing. (Refer to RLA Polymers for their recommendation).
- 3) Mapei Ultrabond Eco Fix can be used when concrete substrates with moisture levels up to 85% RH and alkalinity levels up to pH 11 are present. When moisture levels exceed 85% RH, substrates require appropriate sealing. (Refer to Mapei for their recommendation).

Installation Recommendation

Surface Preparation

As stipulated in AS2455; the sub-floor must be clean, dry and smooth, free from dirt, wax, paint, grease, oil, hydrostatic pressure and any loose materials.

Primer

A primer is recommended on all excessively porous and difficult-to-adhere surfaces prior to laying modular carpet. A primer conditions a surface for further application of a coating or an adhesive. In addition, a primer will inhibit adhesive soaking into the sub-floor and hence reduce the application of adhesives.

Drying Rate

The drying rate of an adhesive is dependent on the adhesive thickness, temperature, humidity and substrate porosity. The adhesive is said to be dry or cured when it has become clear, i.e. lost its original milky appearance when first applied. Drying time is normally 15 to 25 minutes after application.

Conditioning

Environmental conditions will impact installation. Before commencing installation, the carpet tiles, adhesive and all other materials being installed must be allowed to condition within or near the installation area for a period not less than 24 hours or until the products have achieved an ambient room temperature range of 16°C to 28°C

Adhesive Product Recommendation and Supplier

BACKING TYPE	RECOMMENDED ADHESIVE	ADHESIVE SUPPLIER
"B2" Polyolefin Hardback	Intafloors Ultrastix Adhesive Mapei Ultrabond Eco Fix RLA GS300 Green Solutions or Roberts 656 PSA	Intafloors Trade Depot Mapei RLA Polymers
Comfort Plus Cushion Back	Intafloors Ultrastix Adhesive	Intafloors Trade Depot
Underscore Cushion Back	Mapei Ultrabond Eco Fix	Mapei
	GS300 Roberts 656	RLA Polymers

Like to install carpet from 90 days after a new concrete pour?

Refer to Ontera's Site Related Solutions document- referencing the Ontera Non-Reactive Standard Adhesive.



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