

T 412

Aquatack® conductive carpet and linoleum adhesive

For textile and linoleum



TDS_Thomsit_T412_GCC_0514

PROPERTIES

- ▶ Light colour and conductive
- ▶ Rapid initial tack
- ▶ Good final strength

DESCRIPTION

Very low emission dispersion adhesive with high initial tack for installing conductive or antistatic

- tufted coverings with textile backing
- dimensionally stable needle punch coverings
- woven textile floor coverings
- conductive linoleum sheets and tiles

on absorbent substrates. When used in conjunction with suitable linoleum coverings, Thomsit T 412 makes it possible to produce floor constructions that (measured according to DIN EN 1081) meet the conductivity required by DIN VDE 0100410 or DIN EN 0107, supplement 1 (or national equivalents). Not suitable for heavyduty service areas (e.g. industrial and commercial areas subject to forklift/pallet truck traffic).

SUBSTRATE PREPARATION

Substrates must comply with the requirements of ATV DIN 18 365 "Floor covering Work", BS CP 5325 & 8204 or comparable national standards. In particular, they must be clean, free from structural defects, firm, dry and free of substances which may impair adhesion. After mechanical pretreatment (e.g. grinding / vacuuming), prepare the substrate with suitable Thomsit primers and levelling compounds so that it is ready to receive floor coverings. Once the sub floors have been prepared in this way, apply Thomsit R 762 Conductive Finish and prepare the grounding connections (see Technical Data Sheet R 762). In case of doubt, please request our advice.



APPLICATION

Stir well and apply the adhesive evenly to the subfloor using a B2 (e.g. for lightly textured textile backings) or an S2 (for needlepunched or woven goods and linoleum) notched trowel. Do not comb out fibres. Water vapour permeable coverings are laid in the still wet adhesive bed after an open time of 5-10 minutes. Avoid trapping any air bubbles. Rub down well. Impervious, nonpermeable coverings are laid after an open time of 10-15 minutes. Avoid trapping any air bubbles. Rub down well. The heads and joints of coverings with relatively high intrinsic tension should be rubbed down once again after some time. Linoleum: Wait for a short time, then slide the floorcovering into the adhesive bed, flexing the ends in the opposite direction to relieve stress, and rub down or roller immediately. Ensure the backing of the covering is well wetted. If necessary drive out any trapped air bubbles to the sides. If needed, rerub seams, heads

and bight marks 10-20 minutes later. Note: Wait at least 12 hours after installation before having the floor construction grounded by a qualified electrician.

IMPORTANT INFORMATION

- Do not install floor coverings at floor temperatures below 15°C and at a relative humidity above 75 %.
- Remove any skin of driedup adhesive which may have formed (e.g. due to improper storage). Do not stir in.
- Remove fresh spots of adhesive with a moist cloth.
- Tools and equipment can be cleaned with water.
- Tightly close opened buckets and use them up as soon as possible.

Open and working time may vary depending on temperature, relative humidity and absorbency of the substrate. They will be shorter at higher temperatures and lower humidity, but longer at lower temperatures, higher humidity and with nonabsorbent substrates.

TECHNICAL INFORMATION

Please refer to the following information sheets:

1. The norm guidelines and regulations of the appropriate national organizations and professional associations.
2. Floor covering manufacturers' product installation instructions.

PRODUCT SAFETY

Thomsit T 412 is solventfree and a suitable alternative to solventcontaining products. No special safety procedures or measures are necessary for its use. The risk of medium or longterm release of appreciable concentrations of volatile organic chemicals (VOC) into the ambient air is negligible.

Thomsit T 412 contains less than 50g/L VOC and fulfills the requirements in accordance with SCAQMD rule 1168, as specified in LEED credit IEQ 4.2 (adhesives & sealants).

GISCODE D 1 (solventfree accord. TRGS 610)
EMICODE EC 1 (very low emission accord. GEV)

TECHNICAL DATA

Supplied as	paste
Colour	light gray
Density	approx. 1.2 kg/l
Coverage	
notch trowel size B2	approx. 380 g/m ²
notch trowel size S2	approx. 450 g/m ²
Open time	approx. 5-15 minutes
Working time	approx. 25 minutes
Loadbearing	approx. 24 hours
Curing time (final strength)	approx. 72 hours
Cleanable(*)	yes, both wet shampooing and spray extraction possible
Grounding resistance (EN 13 415)	< 3 x 10 ⁵ Ω
Temperature resistance for transport and storage	0°C to 50°C, protect from frost!
Storage	12 months, cool and dry
Packaging	14 kg plastic bucket

* with suitable floor coverings, otherwise dry cleaning recommended.

DISPOSAL

Do not dispose of the product into natural water systems, drains or the soil. Recycle empty containers (dripfree and open).



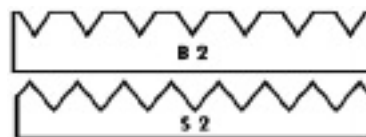
Trowel technique with adhesives



Suitable for castors with appropriate floor coverings



For use on under-floor heating



interval width	2,00 mm
notch width	3,00 mm
notch depth	2,55 mm
interval width	0,10 mm
notch width	4,20 mm
notch depth	3,35 mm

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.

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