

Aquatack Conductive Carpet and Linoleum Adhesive

T 412

For bonding textile and linoleum flooring



FEATURES AND BENEFITS

- Light color, conductive
- Very good initial tack
- Wide application range
- Long open time
- Very high final strength

FIELDS OF APPLICATION

Very low-emission, high-grade, powerful dispersion adhesive for bonding electrostatically dissipative or antistatic floor coverings such as:

- textile flooring equipped with a secondary backing, latex foam, fleece or PUR backing
- woven carpeting
- needle punch carpeting
- conductive linoleum (sheets and tiles)

on absorbent substrates ready for flooring installation. In combination with suitable flooring, THOMSIT T 412 can be used to produce conductive floor structures.

THOMSIT T 412 meets the highest demands for occupational safety, indoor air quality and environmental compatibility.

TECHNICAL DATA

Supplied as	light grey paste
Packaging	plastic bucket, 14 kg
Shipping unit	33 buckets per pallet
Open time	approx. 10 minutes
Working time	approx. 25 minutes
Load bearing	after approx. 24 hours
Suitability for castor chairs	resistant to chairs with castors acc. to DIN EN 12529
Grounding resistance	$< 3 \times 10^5 \Omega$ acc. to DIN EN 13415
Cleanable	wet shampooing and spray extraction possible with appropriate floor coverings, otherwise dry cleaning recommended
Temperature resistance	
after curing	up to max. +50 °C, can be used on underfloor heating constructions
for transport	+5 °C to +50 °C, protect against frost
for storage	+10 °C to +30 °C
Shelf life	12 months, cool and dry

The above times were measured under standard climatic conditions (23 °C/50 % rel. air humidity). Please note that under other climatic conditions curing resp. hardening may be accelerated or delayed.

CONSUMPTION

	Consumption	Coverage/bucket
Carpets with little textured back		
notch size B 2	approx. 380 g/m ²	approx. 37 m ²
Needed, woven carpet, linoleum		
notch size S 2	approx. 450 g/m ²	approx. 31 m ²

PREPARATION OF SUBSTRATE

Substrates must comply with the requirements of ATV DIN 18 365 "Flooring work" 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 substrates have been prepared in this way, apply THOMSIT R 762 Conductive Finish and prepare the grounding connections (see Technical Data Sheet THOMSIT R 762).

APPLICATION PROCEDURE

Apply the adhesive evenly to the substrates and allow to evaporate. Only apply as much as adhesive as can be laid with floor coverings within the working time.

Textile coverings:

Textile coverings are laid in the still wet adhesive bed after an open time of approx. 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 of approx. 5-10 minutes, 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, re-rub seams, heads and bight marks 10–20 minutes later.

PLEASE NOTE

Best possible indoor air quality after floor installation work requires conformity to the standard working conditions as well as completely dry substrates, primers and levelling compounds.

Only carry out floor installation work if the floor temperature is above 15 °C, air temperature above 18 °C and relative humidity below 75 %.

Remove any skin of dried-up adhesive which may have formed (e.g. due to improper storage). Do not stir in.

Remove fresh spots of adhesive with a moist cloth. Clean tools with water and soap immediately after use.

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.

Wait at least 12 hours after installation before having the floor construction grounded by a qualified electrician.

PRODUCT SAFETY

Treated goods according to Regulation (EU) No. 528/2012: Contains Bronopol. Contains a mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). Can cause allergic reactions.

Contains biocide (in-can preservative). Keep out of the reach of children. Ensure adequate ventilation during processing and drying. Eating, drinking and smoking should be avoided while the product is being processed. Protect skin and eyes. In case of contact with eyes or skin, rinse immediately with plenty of water. In case of eye contact, also consult a doctor.

Information for allergy sufferers: +49 821/59 01-0

or by calling the emergency number: Tel.: +49 180 2273-112.

Take off contaminated clothing and wash before reuse. Containers that have been opened must be sealed airtight immediately. Clean tools with water immediately after use. Further information can be found in the safety data sheet available at www.thomsit.com.

Ingredients: acrylate copolymer dispersion, modified natural resin, inorganic fillers, poly(1,2-propandiol), wetting agent, thickener, carbon fiber, graphite, anti-foaming agent, preservatives (isothiazolinones, BNPD)

GISCODE D 1	solvent-free acc. to TRGS 610
EMICODE EC 1 ^{PLUS}	very low emissions
RAL UZ 113	Blue Angel, environmentally friendly due to very low emissions

TECHNICAL INFORMATION

Please observe the information and instructions given in the following publications:

- "Assessment and preparation of substrates" of the Bundesverband Estrich und Belag e.V. (BEB), Troisdorf (www.beb-online.de).
- Technical briefing notes issued by the Technische Kommission Bauklebstoffe (www.klebstoffe.com, see under "Publikationen")
- Installation instructions as well as cleaning and care instructions of the respective flooring manufacturers.
- Generally recognized rules of flooring technology as well as the applicable national standards.

SERVICE FOR ARCHITECTS AND DESIGNERS

Please contact our sales force if you need advice or building project support. Further documents can be downloaded from the internet at www.thomsit.com.

DISPOSAL

Further information on disposal can be found on our homepage at <http://www.thomsit.de/services-seminare/entsorgungshinweise>. Do not allow the product to enter sewer systems, surface waters or the soil. Only return the completely emptied buckets for recycling. Dried material residues can be disposed of as household waste. Non-hardened product residues must be taken to a collection point for hazardous waste.

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The above information, in particular recommendations for the handling and use of our products, is based on our professional knowledge and 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 the intended application method and use. Legal liability cannot be accepted on the basis of the contents of this technical data sheet or any verbal advice given unless there is evidence of wilful intent or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.