

Preparation & condition of the base

Before any adhesive is applied it is necessary to ensure that the subfloor or base is structurally sound, smooth, clean, dry, free from dust, grease, oil, paint, polish or any other contaminant, which may affect adhesion. A concrete subfloor or cement/sand screed must be fully cured and without laitance. An effective damp proof membrane must be provided, where necessary, in relation to the floor covering used. The site conditions should comply with British Standards 8203 and good ventilation needs to be provided to enable adhesives to dry.

Most Epoxy/PU Adhesives are slow to cure. These adhesives should be kept free of foot traffic until cured. Ensure the back of the Floorcovering remains in contact with the adhesive until cured. Sandbagging may be necessary but always refer to the Adhesive manufacturer's recommendations.

Alternatively, plyboard should be of exterior grade, at least 6mm thick and fixed in accordance with British Standard requirements.

Concrete /screed drying times

Please remember that 150mm of concrete will often take more than 12 months to dry (refer to BS8203 document)

The moisture content of the concrete/sand cement subfloor must not exceed 75% RH as measured by hygrometer before any adhesive or floor smoothing compound may be applied. If the moisture content is excessive a Tremco Surface Membrane system is recommended.

Important Note: Calcium Sulfate/Gypsum based Screeds should never be treated in the same way as concrete or sand cement. If in doubt ask for a full Screed Specification and contact the Tremco Technical Department on 01753 691696.

Underfloor Heating

Dalsouple rubber flooring is suitable for use on subfloors with some underfloor heating systems. Prior to installation it is important to obtain confirmation from the heating supplier that the specified system is compatible with a resilient floorcovering.

Ensure that the Underfloor Heating System is fully commissioned, tested and brought up to maximum design operating temperature before applying Surface DPMs and Underlayments. The surface temperature of the concrete/sand cement screed must not exceed 27°C when fully commissioned, as per the British Standards codes of practice and the Floorcovering industry maximum agreed level.

The underfloor heating system should be switched off at least 48 hours before, during and after the installation of the floor coverings, adhesives, Surface DPMs and underlayments and gradually re-commissioned in accordance with the manufacturer's recommendations.

Screed/concrete surface temperatures should be checked using a Raytek (or similar) hand held monitor. Note! Higher surface temperatures will accelerate the curing of smoothing compounds, adhesives and surface DPMs and may reduce overcoating and installation windows (Please refer to Tremco product literature and contact your Tremco Technical Representative for assistance).

During the period of decommissioning an alternative heating source should be provided, if required, to ensure that the area of installation is kept at a constant temperature of between 18°C – 27°C.

Failure to follow these guidelines can result in the floorcovering de-bonding, shrinkage, joints opening, and on some occasions discolouring.

Further information: for detailed installation instructions on all our ranges visit dalsouple.com

Adhesive Selection

Dalsouple rubber floor covering can be laid with the following TREMCO or MAPEI products.

TREMCO

Treadfast Floor Membranes, Smoothing Compounds and Adhesives

Tremco are a global organisation manufacturing high performance Surface Damp Proof Membranes, Smoothing Compounds, and Specialist Flooring Adhesives for use in Department Stores, Shops, Schools, Hospitals and most commercial and Industrial buildings. Our goal is to understand our customers' needs and satisfy them by providing problem solving solutions.

Our **free of charge** Specification and advice service includes information on the following:

- Smoothing Compounds which can usually receive floor finishes after 24 hours (Treadfast Unitex & Treadfast Unismooth).
- Surface Damp Proof Membranes (including Treadfast ES3000, Treadfast Fastrak Universal and Treadfast One Coat Universal)
- Primers for most surfaces including calcium sulphate screeds
- Specialist Adhesives including conductive adhesives for virtually all internal and external applications.

Tremco Limited, manufacturer of sealants, adhesives and weatherproofing technologies is committed to excellence in protecting the environment. A copy of their Environmental Policy Statement is available by contacting the company address on the following page.

Product Name	Product Type	Comments
TREADFAST 5000 AT	1 part adhesive derived from advanced polymer technology which is both solvent and isocyanate free - re-sealable container means less waste	Developed for bonding a wide range of floor coverings including: synthetic and natural rubber tiles and sheet in internal heavy wear and wet or dry areas.
TREADFAST 108	Acrylic dispersion (water bourne and solvent free) adhesive for most rubber floor coverings	Suitable for single stick bonding of rubber flooring, tiles and sheet porous surfaces In dry areas which are subject to heavy foot traffic.
TREAFAS TRETOTHANE	Polyurethane resin (catalyst cured) for interior or exterior use with water levels up to heavy industrial traffic	Designed for permanent bonding of a wide range of floor coverings, including synthetic rubber, in wet and highly trafficked areas.
TREADFAST 115	Solvent based, flammable contact adhesive for rubber	Developed for contact bonding of a wide range of floor coverings Including rubber tiles.
TRETOBOND NONFLAM	Solvent based, non-flammable contact adhesive for rubber	Designed for the permanent bonding of: smooth backed rubber floor coverings, and rubber nosings and coverings to horizontal or vertical surfaces.
TREADFAST 1635	2 part, solvent based. flammable contact adhesive for rubber	As above and also for wet areas.

Please Note: After Installation of the covering, most floor adhesives will require 24-48 hours to develop strength performance. During this period, maintain constant conditions temperature and humidity and keep the area free from other trades and casual foot traffic.



For more Information contact:

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Product Name	Product Type	Usage
ADESILEX VS90	Solvent free single part high grab acrylic adhesive in water dispersion.	Interior installation on all normal absorbent and moisture stable substrates used in construction.
ECOV4SP	Solvent free universal acrylic adhesive with long open time	Interior use in dry areas even where there is heavy foot traffic.
ADESILEX G19	2-part polyurethane based water and solvent free resin	Interior/exterior. Heavy industrial use, wet areas and on difficult substrates eg. Metal/access floors.
ADESILEX VZ	Double coat polychloroprene contact adhesive.	Interior use for skirtings, curved surfaces, where immediate bond is required on new absorbent surfaces.

Please Note: Cure times are to be strictly observed to gain maximum strength performance. During this period maintain constant site conditions of temperature, humidity and keep laid area free from other trades and casual foot traffic. The back of each tile should be brushed prior to installation. The tiles should be laid broken bonded in all cases.

Mapei Floor Preparation Systems & Adhesives

Have Sales and Technical offices worldwide with over 140 production facilities. Mapei is the world's leading manufacturer of adhesives for the Construction Industry. Mapei offer the complete installation system which will give many years of durability when the correct preparation, applications and cure times are carried out with reference to the relevant data sheets.

New or repair Screeds which can be utilised after 24 hours. (Mapecem)

Self Levelling Compounds which can be laid up to 30mm thick in 1 application. (Ultraplan Maxi)

Damp and Vapour Proof Barriers applied as a surface membrane. (Primer MF)

Primers to consolidate and seal weak surfaces. Primer G: Mapeprim SP Eco Primer.

Conductive Adhesives for specialised conductive flooring

Adhesives which can be used for all types of installations whether it be domestic, commercial or heavy industrial and in some cases external applications.

Mapei - taking care of the environment

Products that are not only safe for the end user, but for the environment, products that have a very low or zero emissions of Total Volatile Organic Compounds, products that perform to the highest standards – are all provided through Mapei's technical expertise. Mapei's commitment to this market began in the early 1970s with the introduction of water-based and solvent-free products and as a member of Responsible Care® – the company is totally committed to the ongoing development of safer products, which have been and will continue to be used worldwide.

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