



GRIP **iTe**[®] **V10**
PRESSURE-SENSITIVE
CARPET ADHESIVE

DATA SHEETS

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GRIPiTe[®] V10
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1. TECHNICAL DATA

1.1 DESCRIPTION:

GRIPiTe[®] V10 is a pressure-sensitive adhesive - permanently tacky water based Acrylic Emulsion. For use with installing backed carpet tiles or similar dimensionally stable products only requiring a "tackifier" onto cement-based floor substrates and access flooring panels.

The purpose of using pressure sensitive adhesive is to stabilise the installation of the desired floor covering, to prevent lateral movement but enable the lifting of tiles to give access to the access panels or substrate underneath and then replace the tile later, still retaining adhesion properties. Pressure sensitive adhesive also allows for easy tile rotation In office environments.

GRIPiTe[®] V10 is a pressure sensitive, permanently tacky acrylic adhesive.

GRIPiTe[®] V10 is a single component adhesive supplied in 20l drums clearly labelled GRIPiTe[®] V10.

GRIPiTe[®] V10 can be used for the installation of backed carpet tiles or products requiring tackifiers as an adhesive onto cement-based substrates and access flooring panels.

GRIPiTe[®] V10 has rapid tack build up,

GRIPiTe[®] V10 is water-based, with no organic solvents, this adhesive is "green" and complies with all GBCSA requirements.

GRIPiTe[®] V10 has a low odour, making it suitable for use in rooms adjacent to occupied areas.

GRIPiTe[®] V10 is designed for use with backed carpet tiles or similar characterised products where no permanent bond is required, and the adhesive has no effect on the stability product performance. In particular, areas where the carpet tiles similar characterised products may require removal and refitment from time to time, this is generally evident on access flooring panels.

1.2 SURFACE PREPARATION:

The preparation of the subfloor is critical to ensure successful installation of any floor covering and must therefore be strictly adhered to, too ensure longevity and performance of the floor and floor covering for the duration of its lifespan.

- The substrate must be structurally sound,
- Free of loose granular particles
- Free of excess dust
- Dry - screed moisture levels must be below 3% using a VI-D4 Moisture meter and or below 75%RH
- Adhere to the floor covering manufacturer's specification for moisture levels. should the floor covering manufacturers moisture level specification differ from that in point 4 the lower of the two should be maintained.
- Free of any contamination, laitance, old adhesive, grease, oils, wax, sealers, and any substance that can inhibit adhesion.
- Adhere to the floor covering manufacturer's specification for floor flatness conformity.
- Access flooring panels must be secure, and free of contaminants, as mentioned above.



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- The floor temperature must be maintained constantly above 10°C before, during and after the application, flash off and final drying of the adhesive. The floor temperature must not deviate more than 19°C from the Initial temperature reading during Installation.

Further subfloor preparation information can be made available on request .

1.2.1 SCREED MOISTURE

Should the screed moisture levels exceed that stipulated above, and that mandated by the floor covering manufacturer it is imperative that the substrate be prepared with **VAPORiTe® Plus**, or Premium depending on the application and complexity thereof.

1.2.2 SUBFLOOR SURFACE FINISH

The subfloor surface must conform to the requirements set out by the floor covering manufacturer to ensure the floor covering maintains Integrity throughout its life span. should the surface not conform to that required, the subfloor can be rectified utilizing the appropriate **LEVELiTe®** self-levelling compound.

1.3 USAGE:

GRIPiTe® V10 is applied at a rate of approximately 6m² per Litre, on a cementitious substrate, depending on the porosity and roughness of the surface.

GRIPiTe® V10 is applied at a rate of approximately 10m² per Litre on steel access flooring panels, These usage rates may vary depending on porosity and surface conditions of the subfloor.

1.4 APPLICATION:

- Apply **GRIPiTe® V10** with a MOHAIR roller to obtain a thin film on the substrate
- Allow the **GRIPiTe® V10** to flash off completely before laying the floor covering. The adhesive will turn from an opaque to a semi-transparent (clear) film when ready for Installation of the floor covering
- It is critical to ensure It has flashed off completely and be dry to the touch before installing the floor covering as this enables the product to build up the desired tack.
- It is imperative that the adhesive be allowed to flash off properly before installing the carpet tiles as failure to adhere to this may cause damage to the backing of tiles when lifting them out of the adhesive.
- The adhesive will take approximately 25 minutes to flash off sufficiently, depending on ambient temperature and atmospheric moisture. These will vary from site to site depending on climatic conditions and geographical regions
- NB The floor temperature must be maintained constantly above 10°C during and after the application, flash off and final drying of the adhesive. The floor temperature must not deviate more than 19°C from the Initial temperature reading during Installation

1.5 PRECAUTIONS:

- Ensure the floor covering is properly acclimatised prior to Installation, as per floor covering manufacturers recommendations, and installation instructions prior to use.
- Ensure a stable ambient temperature Is maintained for a minimum of 24 hours pre, during and post Installation to allow the adhesive to fully cure and minimise any expansion and shrinkage within the floor covering material.
- Allow the adhesive 24 hours to set before applying any load to the floor covering, this Includes but Is not limited to furniture.



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- The use of chair protectors is strongly recommended to minimise wear on the entire flooring system.
- walk off mats are also recommended to minimise soiling of the floor covering.

1.6 CLEANING EQUIPMENT:

GRIPiTe[®] V10 can be washed off with soapy water before it has set. Once dry, **CLEANiTe[®]** or similar will be effective.

1.7 SAFETY AND PROTECTIVE EQUIPMENT:

Safety goggles and gloves should be worn to protect the eyes and skin from accidental exposure. In the event of eye contamination, the eyes must immediately be washed out with copious amounts of clean water, and medical assistance sought. It is recommended that overalls be worn to minimise soiling of clothing.

1.8 SHELF LIFE:

GRIPiTe[®] V10 must be stored in a cool dry place.

GRIPiTe[®] V10 must be stored between 5°C and 30°C, and protected from frost, direct sunlight and the elements.

GRIPiTe[®] V10 will last for 12 months unopened.

2. MATERIAL SAFETY DATA

2.1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Name of substance/preparation:

Commercial product name:.....GRIPiTe[®] V10

2.1.1 USE OF SUBSTANCE / PREPARATION

Industrial/Commercial/Residential.

Used for: Adhering backed carpet tiles or similar products.

2.1.2 COMPANY NAME

Manufacturer/distributor:.....iTe Products (Pty) Ltd

Street:.....7 Clarke Street South

State/postal code/city:.....Alrode, 1451

Telephone:.....+27 11 864 4918

Telefax:.....+27 11 864 2123

Information about the Safety Data Sheet:.....+27 11 864 4918

eMail:.....info@iteproducts.co.za

2.2 HAZARDS IDENTIFICATION

2.2.1 CLASSIFICATION

This product is not a dangerous preparation within the meaning of Directive 1999/45/EC

R-Phrase Description – Nil

This product is not classified as dangerous according to EC Directive 88/379/EEC and subsequent adaptations (CHIP 2 Regulations in the UK).

2.2.2 LABELLING

Labelling (67/548/45/EC):

R-Phrase Description – Nil

S-Phrase Description – Nil

2.2.3 FURTHER HAZARDS TO HUMAN AND ENVIRONMENT:

The product does not have any further hazards

2.3 COMPOSITION/INFORMATION ON INGREDIENTS

2.3.1 CHEMICAL CHARACTERIZATION:

Mixture

2.3.2 DESCRIPTION:

Copolymer of acrylic acid ester +styrene (dispersion in water)

EC-No.	CAS No.	Material	Content %	Warning	Label
9043-30-5		Alpha-i-tridecyl-omega-hydr0xypolyglycoether			<3XnR22-41



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2.4 FIRST-AID MEASURES

2.4.1 GENERAL INFORMATION:

Under ordinary workplace conditions no special measures required.

2.4.2 INHALATION OF VAPOUR

Non-Toxic. No special measures required.

2.4.3 AFTER CONTACT WITH THE SKIN

Wash with plenty of water and soap. In case of continuous irritation seek medical advice.

Remove soiled clothing

2.4.4 AFTER CONTACT WITH THE EYES

Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

2.4.5 AFTER SWALLOWING

Do not induce vomiting and seek immediate medical attention.

2.5 FIRE-FIGHTING MEASURES

2.5.1 THE PRODUCT IS AN AQUEOUS DISPERSION AND IS NOT COMBUSTIBLE. DRIED UP MATERIAL IS COMBUSTIBLE. WATER, DRY CHEMICAL POWDER, FOAM, CARBONDIOXIDE OR SAND CAN BE USED.

2.6 ACCIDENTAL RELEASE MEASURES

2.6.1 PERSONAL PRECAUTIONS

Wear personal protective equipment. Be aware of slippage.

2.6.2 ENVIRONMENTAL PRECAUTIONS

Do not allow to enter into sewer, drainage or potable water systems

2.6.3 METHODS FOR CLEANING UP

Large spillages should be contained and pumped into a receiving vessel.

Small spillages should be absorbed on an inert absorbent (sand, sawdust, diatomite)

2.6.4 FURTHER INFORMATION:

Observe notes under section 7 with regards to safe handling

Observe section 8 for information on personal protective equipment.

For disposal methods refer to section 13.

2.7 HANDLING AND STORAGE

2.7.1 HANDLING

No special precautions needed with normal housekeeping. Spilled substance increases the risk of slipping

2.7.2 STORAGE

Conditions for storage rooms and vessels:

Protect from frost and direct sunlight.

2.8 EXPOSURE CONTROLS AND PERSONAL PROTECTION EQUIPMENT

2.8.1 EXPOSURE LIMITS

Not applicable



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2.8.2 EXPOSURE CONTROLS

Do not eat or drink when handling.

Personal protection equipment.

Respiratory protection.

Not required.

Hand protection.

For frequent contact, wear impermeable gloves.

Eye protection.

Goggles, face visor or safety glasses is recommended for splashes.

Skin protection.

Not required.

2.8.3 EXPOSURE TO THE ENVIRONMENT LIMITED AND CONTROLLED

Prevent material from entering surface waters and soil.

2.9 PHYSICAL AND CHEMICAL PROPERTIES

2.9.1 GENERAL INFORMATION

Physical state / form.....: creamy blue paste

Odour: slight

pH.....: 7.5—8.5

Boiling Point.....: Approx 100°C

Melting point.....: Approx 0°C

Flashpoint.....: Not Applicable

Flammability.....: Not Applicable

Auto-flammability.....: Not Applicable

Explosion Hazard.....: Not Applicable

Oxidising Properties.....: Not Applicable

Vapour Pressure.....: Approx. 23 hPa at 20°C

Relative density.....: Approx. 1.15gm/cm³

Solubility in water.....: moderately soluble

Viscosity (dynamic) ...:25000—30000cPs at 23°C

2.10 STABILITY AND REACTIVITY

2.10.1 GENERAL INFORMATION:

The product is stable if stored and handled in accordance with standard industrial practices.

2.11 TOXICOLOGICAL INFORMATION

2.11.1 GENERAL INFORMATION:

Long term experience of this product type indicates no danger to health when properly handled under industrial conditions, and acute toxicity effects are not expected after a single oral exposure.



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2.12 ECOLOGICAL INFORMATION

2.12.1 ECOTOXICITY

The product is not classified as dangerous to the environment according to EC directive 93/21/EEC.

Effects in sewage treatment plants (bacteria toxicity: respiration-/reproduction inhibition):

According to current knowledge adverse effects on water purification plants are not expected.

2.13 DISPOSAL CONSIDERATIONS

2.13.1 MATERIAL

The product and waste water containing product should not be discharged directly into drains and waterways without treatment. The polymer content may be separated in a suitable coagulation and purification plant. Details available on request.

Disposal of the product, solid waste and packaging should be in accordance with local, state or national legislation and undertaken by an authorized contractor.

2.14 TRANSPORT INFORMATION

The product is not classified as hazardous according to International Transport Regulations.

2.15 REGULATORY INFORMATION

The product is not classified as Dangerous according to EC Directive 88/379/EEC (including subsequent amendments) and requires no special labelling.

2.16 OTHER INFORMATION

2.16.1 MATERIAL

This Material Safety Data Sheet conforms to EC Directive 91/155 EEC and 93/112EC. The above information describes exclusively the safety requirements of the product(s) and is based on our present-day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

2.16.2 FURTHER INFORMATION:

Commas appearing in numerical data denote a decimal point. Vertical lines in the left-hand margin indicate changes compared with the previous version. This version supersedes all previous versions.

3. THEORETICAL (VOC) CONTENT

3.1 PRODUCT: **GRIPiTe[®] V10**

3.2 ABBREVIATIONS

S.G. = Specific Gravity

g/ml = grams/millilitre

g/l = grams/litre

3.3 FORMULAS

Sum of VOC's in Adhesive formulation = VOC %

VOC (g/l) = VOC % x S.G. x 10

3.4 S.G. (g/ml) = 1.15g/ml

3.5 VOC % = 0%

3.6 VOC (g/l) = 0 x 1.00 x 10 = 0g/l

Maximum VOC content (Specified by Green Building Council of South Africa): 50g/l



Peter Funke

Product Development Manager



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4. SHORT REPORT VOC

7 August 2014

Short Report: Product GRIPiTe[®] V10 Pressure Sensitive Acrylic Flooring Adhesive

iTe Products **GRIPiTe[®] V10** Pressure Sensitive Acrylic Flooring Adhesive meets the Green Building Council of South Africa's credit criteria for the following reasons:

Maximum VOC allowable (gms/litre) 50g/l

GRIPiTe[®] V10 0g/l

This is based on the fact that the product contains no organic solvents..

I declare the above information to be correct



Peter Funke

Product Development Manager



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5. VOC CONFIRMATION NOTICE

7 August 2014

To: All interested Parties

Dear Sir/Madam,

Re: GBCSA requirements for VOC levels in flooring adhesives, sealers and primers

We hereby confirm that **GRIPiTe[®] V10** Pressure Sensitive Acrylic Flooring Adhesive as manufactured by iTe Products (Pty) Ltd complies with the GBCSA requirements in respect of permissible VOC levels in flooring adhesives, sealers and primers.

The attached Short Report, VOC Datasheet and this signed letter provides the necessary supporting documentation required as per page 107 of the GBCSA Technical Manual.

The Flooring Contractor must provide written confirmation that **GRIPiTe[®] V10** is to be used in the installation of the floor covering.

Should there be any questions or queries, please contact the writer at 082 772 9137 or via e-mail at sales@iteproducts.co.za

Yours faithfully,



Peter Funke

Product Development Manager



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6. WARRANTY

iTe Products® GRIPiTe® V10 is manufactured to comply with the required standards for use as an adhesive for bonding backed carpet tiles to access flooring bases and cement based substrates.

This warranty is based on the substrate being sound, dry and free of contamination. All application is to be carried out in strict compliance with the applicable data sheet as issued.

iTe Products® further warrants that the products are manufactured to strict quality control standards and that the products supplied are free of defect. We cannot be held responsible for failure due to excessive moisture, flooding or the substrate failing for any reason, or application of the adhesive in a manner not suited to the circumstances.

All other areas of application must be agreed on in writing with the Technical Department of the manufacturer prior to installation for the guarantees to be effective.



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7. SUGGESTED SPECIFICATION

Install _____ onto access flooring/cement-based floor with **GRIPiTe**[®] **V10** Water-Based Pressure Sensitive adhesive in accordance with the manufacturer's specifications.