

DATA SHEETS

Contents

1.	TECHNICAL DATA	2
2.	MATERIAL SAFETY DATA	4
3.	THEORETICAL (VOC) CONTENT	8
4.	SHORT REPORT VOC	9
5.	VOC CONFIRMATION NOTICE	10
6.	WARRANTY	11
7.	SUGGESTED SPECIFICATION	12

1. TECHNICAL DATA

1.1 DESCRIPTION:

GRIPiTe® V10, pressure sensitive permanently tacky acrylic adhesive is specifically developed for the installation of bitumen or other backed carpet tiles onto cement based substrates and access flooring panels. **GRIPiTe® V10** has rapid tack build up, and allows for the laying of the carpet tiles after thirty minutes, when its colour changes from white to clear. This improves productivity on site. Water-based, with no organic solvents, this adhesive is “green” and complies with all GBCSA requirements.

1.2 USAGE:

GRIPiTe® V10 is applied at a rate of approximately 6m² per kg, depending on the porosity and roughness of the surface being primed and the trowel notch size. The recommended trowel notch sizes are 1,5mm “Vee’s” with 1,5mm intervals. The adhesive is suitable to be applied with a mohair roller.

GRIPiTe® V10 is available in 5kg and 20kg plastic containers.



1.3 SURFACE PREPARATION:

Cement-based substrates:

The substrate must be sound, free of loose granular particles, excess dust and be dry. Any contamination of old adhesive, oils or wax, or any substance that can inhibit the adhesion of the adhesive to the substrate must be removed. Comply with the flooring manufacturer's specification for maximum screed moisture levels.

Access Flooring Panels:

As the panels are non-porous and very smooth, the adhesive usage rate is excellent, and a mohair roller can be used to apply the adhesive.

1.4 APPLICATION:

The purpose of using pressure sensitive adhesive is to stabilise the carpet tiles 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. The adhesive may be applied with a 1.5mm notched trowel and then flattened with a mohair roller to obtain a thin film of adhesive. On access floor panels, the adhesive can be applied with a mohair roller in a thin film. The adhesive will initially be white in colour, and then become clear as it dries to a tacky finish. When clear, the adhesive is ready for the installation of the carpets tiles. If the tiles are laid into wet adhesive, the backing of the tile may be damaged when lifting it out of the adhesive. The adhesive will take approximately 25 minutes to flash off sufficiently, depending on ambient temperature and atmospheric moisture.

1.5 CLEANING EQUIPMENT:

Before it has set **GRIPiTe® V10** can be washed off with soapy water. Once dry, thinners or similar will be effective.



GRIP **iTe**[®] **V10**

**PRESSURE-SENSITIVE
CARPET ADHESIVE**

1.6 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.

1.7 SHELF LIFE:

*Stored in a cool dry store, unopened **GRIPiTe® V10** will last for 12 months.*

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 Stick-down carpets

All other areas of application to be agreed with the Application Engineering/Technical Marketing Department of the manufacturer.

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 88/379EEC 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-hydroxypolyglycolether <3XnR22-41

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

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 beige paste

Odour: slight

pH.....: 7.5—8.5

Boiling Point.....: Approx 100°C

Melting point.....: Approx 0°C

Flashpoint.....: Not Applicable

Flammability.....: “

Auto-flammability.....: “

Explosion Hazard.....: “

Oxidising Properties.....: “

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.

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.

End of Safety Data Sheet -

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 %

$VOC (g/l) = VOC \% \times S.G. \times 10$

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

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

Signed:



Alistair Mac Dougall

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® V30** 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,



Alistair Mac Dougall

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.

7. SUGGESTED SPECIFICATION

Install Carpet Tiles with **GRIPiTe[®] V10** as manufactured by **iTe PRODUCTS** in strict accordance with their specifications, (as part of the **iTe PRODUCTS**' screed preparation system) optional