

DATA SHEETS

Contents

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

1. TECHNICAL DATA

1.1 DESCRIPTION:

GRIPiTe[®] V20 is a general-purpose carpeting adhesive, designed for needle punch broadloom and tiles. **GRIPiTe[®] V20** is water based and contains no VOC's which fully complies with the GBCSA's requirements for a "Green" adhesive.

GRIPiTe[®] V20 is available 20 Litre plastic containers.

1.2 COVERAGE

GRIPiTe[®] V20 has an approximate spread rate of 4m²/litre when applied using the prescribed notched trowel, on a **LEVELiTe[®]** surface.

iTe Products recommends the use of the notched trowel blade supplied when using **GRIPiTe[®] V20**.

1.3 PREPARATION

In the application of **GRIPiTe[®] V20**, the substrate must be sound, free of any loose particles or dust. The surface must be thoroughly swept or vacuumed prior to the application.

Any contamination of the substrate, such as Old Adhesives, Oil, Grease, Paint, Bitumen, skim plaster or any other substance which can inhibit the adhesion must be removed.

Ensure the screed moisture content is within the allowable limit to accept the covering being installed. Should this fall outside the allowable limits **VAPORiTe[®]+Plus** must be applied as per method statement.

1.4 APPLICATION

GRIPiTe[®] V20 is poured onto the floor and evenly spread with the notched trowel. The adhesive must be allowed to flash off and develop its tack which happens approximately 10min after application. This is highly dependent on atmospheric conditions thus this time may vary. At this point the floor covering is laid into the adhesive allowing sufficient transfer onto the back of the floor covering (If the floor covering is laid in too late insufficient transfer occurs and the adhesion is compromised and weak).

The floor covering must be rolled immediately using a minimum of a 68Kg heavy roller to promote transfer and adhesion. A final roll must be performed over the entire area once the covering has been laid.

1.5 WORKING TEMPERATURES

The adhesive must not be applied should the temperature range fall outside 10 °C and 30 °C.

1.6 CLEANING

Tools and equipment must be washed with water and a mild detergent immediately after use.

The floor covering can be cleaned with water and a mild detergent before **GRIPiTe[®] V20** has set.

Once **GRIPiTe[®] V20** has cured, **CLEANiTe[®]** will remove it effectively.

1.7 EXPOSURE CONTROLS & PERSONAL PROTECTION EQUIPMENT

For information regarding GRIPiTe V20, visit: www.iteproducts.co.za.

1.8 METHOD STATEMENT

For further information pertaining to **GRIPiTe[®] V20**, visit: www.iteproducts.co.za.

1.9 SHELF LIFE

12 Months – When stored in a cool dry place unopened.

2. MATERIAL SAFETY DATA

2.1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Name of substance/preparation:

Commercial product name:.....**GRIPiTe[®] V20**

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 88/379/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-hydroxypolyglycolether		<3XnR22-41	



GRIP **iTe**[®] **V20**

GENERAL PURPOSE CARPET ADHESIVE

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.



GRIP **iTe**[®] **V20**

GENERAL PURPOSE CARPET ADHESIVE

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



GRIP **iTe**[®] **V20**

GENERAL PURPOSE CARPET ADHESIVE

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.

3. THEORETICAL (VOC) CONTENT

3.1 **PRODUCT:** **GRIPiTe[®] V20**

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

4. SHORT REPORT VOC

7 August 2014

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

iTe Products **GRIPiTe[®] V20** General Purpose Carpeting Adhesive meets the Green Building Council of South Africa's credit criteria for the following reasons:

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

GRIPiTe[®] V20 0g/l

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

I declare the above information to be correct

Signed:



Shaun Van Heerden

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[®] V20** General Purpose Carpeting 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[®] V20** 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,



Shaun Van Heerden

6. WARRANTY

iTe Products® GRIPiTe® V20 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 onto access flooring with **GRIPiTe[®] V20** General Purpose Carpeting adhesive in accordance with the manufacturer's specifications.