

DATA SHEETS

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1. TECHNICAL DATA

1.1 DESCRIPTION:

GRIPiTe[®] V30 Vinyl Flooring and Carpeting Adhesive, is an excellent general purpose flooring adhesive with high bond strength, a hard glue line and moisture resistance when fully cured, and high performance properties. **GRIPiTe V30** has anti-bacterial agents for dry film protection. Water-based, with no organic solvents, this adhesive is “green” and complies with all GBCSA requirements.

GRIPiTe[®] V30 is applied at a rate of 4 m² per Kg, depending on the porosity and roughness of the surface being adhered to and the trowel notch size. The recommended trowel notch sizes are 1,5mm “Vee’s” with 3mm intervals for vinyl, and 3mm “Vee’s” with 3mm intervals for carpets.



GRIPiTe[®] V30 is suitable to bond needle-punch carpeting, un-backed and backed, semi-flexible vinyl tiles, fully-flexible vinyl tiles and sheeting and smooth backed rubber flooring onto cement based and concrete screeds. It can be used to bond the above flooring to other substrates under certain conditions. (Obtain advice from our technical staff).

GRIPiTe[®] V30 is available in 5Kg and 20 Kg plastic containers.

GRIPiTe V30 is an excellent adhesive system for applying vinyl sheeting, either directional, non-directional or multi-layered onto walls. Due to its solvent free formulation, this adhesive is well suited to applications in areas where sensitivity to solvents is an issue.

1.2 USAGE/COVERAGE

FLOORING APPLICATIONS:

GRIPiTe[®] V30 is applied at a rate of 4 m² per Kg, depending on the porosity and roughness of the surface being adhered to and the trowel notch size. The recommended trowel notch sizes are 1,5mm “Vee’s” with 3mm intervals for vinyl, and 3mm “Vee’s” with 3mm intervals for carpets.

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It is available in 5Kg and 20 Kg plastic containers.

1.3 SURFACE PREPARATION:

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.

We recommend that SANS 10070:2012 be complied with.



GRIP **iTe**[®] **V30**

HIGH-PERFORMANCE
FLOORING ADHESIVE

1.4 APPLICATION:

It is imperative to get adhesive transfer onto the back of the flooring. Use of a heavy 60kg roller on the flooring before the adhesive has set is required.

Once the screed has been swept and vacuumed to remove dust, the adhesive is poured onto the floor and trowelled with the notched trowel, spreading the adhesive evenly over the surface, avoiding creating ponds.

In order to prevent adhesive trowel marks to be visible once the adhesive has set under the flooring, the wet adhesive may be rolled with a mohair roller to flatten the ridges. Care must be taken to ensure that adhesive transfer still takes place.

1.5 DRYING TIME:

The wet adhesive must be allowed to flash off sufficiently before the flooring is laid into it. This time is dependent on ambient temperature, atmospheric moisture levels as well as local conditions. Typically the initial tack takes 15 minutes to develop, after which the adhesive builds strength. After approximately 45 minutes the adhesive no longer transfers to the flooring. This should be checked on site at the time of installation to ensure good adhesion.

1.6 WALL CLADDING:

GRIPiTe V30 is applied at a rate of 4m² per kg applied with a 1.5mm standard notch trowel. When used as a wall cladding adhesive, it should be applied as a two way stick, which will increase usage to approximately 3m²per kg.

SURFACE PREPARATION:

Normal plastered walls must be free of dust and loose material or surface irregularities. Gypsum or Rhinolite finished walls must be primed with a solvent based bonding liquid to ensure proper bonding later.

APPLICATION:

It is important to ensure that the adhesive has built up sufficient tack to hold the sheeting in place before the sheeting is applied to the wall. The adhesive is spread on the wall using the 1,5mm notched trowel. Before it has flashed off, a mohair roller should be used to even out the trowel ridges in the adhesive, and the adhesive that is now on the roller be applied to the back of the sheeting. It may be necessary to apply additional adhesive onto the sheeting to ensure that sufficient adhesive is available for bonding to the wall adhesive. It is preferable to have a thin film on both the wall and the back of the sheeting, rather than thick films.

Leave the adhesive to flash off until it becomes very tacky on both surfaces, and then hang the sheeting into the adhesive. Rub the sheeting thoroughly to ensure a proper bond uniformly over the sheeting. Care must be taken to ensure that the adhesive has not lost its tack.

1.7 CLEANING EQUIPMENT:

*Before it has set **GRIPiTe® V30** can be washed off with soapy water. Once dry, thinners or similar will be effective.*



GRIP **iTe**[®] **V30**

HIGH-PERFORMANCE
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1.8 SAFETY & 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.

1.9 SHELF LIFE:

*Stored in a cool dry store, unopened **GRIPiTe V30** 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[®] V30**

2.1.1 USE OF SUBSTANCE / PREPARATION

Industrial/Commercial/Residential.

Used for: Adhering Stick-down carpets and vinyl floor coverings to cementitious substrates.

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 HAZCHEM CODE: 2Z-NON HAZARDOUS

2.2.2 CLASSIFICATION

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

2.2.3 R-PHASE 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).

2.2.4 LABELLING

Labelling (67/548/45/EC):

R-Phrase Description – Nil

S-Phrase Description—Nil

2.2.5 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-hydroxypolyglycoether <3 Xn R22-41

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

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 13.7. Handling and storage

2.7 HANDLING & 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

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® V30 Acrylic Flooring Adhesive

3.2 ABBREVIATIONS

S.G. = Specific Gravity

g/ml = grams/millilitre

g/l = grams/litre

3.3 FORMULAS

Sum of VOC's in Sealer/Primer 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 $VOC (g/l) = 0 \times 1.00 \times 10 = 0g/l$

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[®]V30 Acrylic Flooring Adhesive

iTe Products **GRIPiTe[®] V30** 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[®] V30 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

11 May 2015

To: All interested Parties

Dear Sir/Madam,

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

We hereby confirm that **GRIPiTe[®] V30** 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[®] V30 is manufactured to comply with the required standards for use as an adhesive for bonding vinyl floor coverings and synthetic stick-down carpeting to 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 method statement 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 Flooring with **GRIPiTe[®] V30** as manufactured by **iTe PRODUCTS** in strict accordance with their specifications, (as part of the **iTe PRODUCTS**' screed preparation system) optional