

GRIP **iTe**[®] **V30**^{SD}
HIGH-PERFORMANCE
STATIC DISSIPATIVE
FLOORING ADHESIVE

DATA SHEETS

Contents

1.	TECHNICAL DATA	2
2.	MATERIAL SAFETY DATA	5
3.	THEORETICAL (VOC) CONTENT	9
4.	SHORT REPORT VOC	10
5.	VOC CONFIRMATION NOTICE	11
6.	WARRANTY	12
7.	SUGGESTED SPECIFICATION	13

1. TECHNICAL DATA

1.1 DESCRIPTION:

GRIPiTe[®] V30 SD is a Static Dissipative and Conductive Flooring Adhesive.

GRIPiTe[®] V30 SD is a high bond strength static dissipative floor coverings adhesive.

GRIPiTe[®] V30 SD has conductive properties which enable the discharge or dissipation of electrical charges which build up in vinyl flooring to a discharge earth leakage point.

GRIPiTe[®] V30 SD is a single component adhesive supplied in 5l and 20l drums and is clearly labelled

GRIPiTe[®] V30 SD, is suitable for use with the installation of:

- semi-flexible vinyl tiles onto cement-based substrates.
- fully flexible vinyl tiles onto cement-based substrates.
- Vinyl Sheeting onto cement-based substrates.
- Unbacked carpet tiles onto cement-based substrates.
- Should you be unsure as to the material and adhesive to utilise in your application please consult with the ITe Products technical team.

GRIPiTe[®] V30 SD Has a low odour, making it suitable for use in rooms adjacent to occupied areas.

GRIPiTe[®] V30 SD is Water-based, with no organic solvents, this adhesive is “green” and complies with all GBCSA requirements.

1.2 SURFACE PREPARATION:

1.2.1 CEMENT-BASED SUBSTRATES:

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. We recommend that SANS 10070:2012 be complied with.
- The floor temperature must be maintained constantly above 10°C and below 30°C during and after the application, flash off, and final drying of the adhesive.
- the floor temperature must not fluctuate more than 15°C from the Initial temperature reading during Installation.

Further subfloor preparation information can be made available on request.

1.2.2 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. Further information pertaining to the correct product for the application can be made available on request

1.2.3 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 USEAGE:

GRIPiTe[®] V30 SD has an approximate spread rate of 4m²/litre when applied using the A2 notched trowel, on a **LEVELiTe[®]** surface.

- The life span of the notched trowel greatly impacts the volume of adhesive applied to the substrate and should therefore not be modified or tampered with in any way. Failure to adhere to this may result in nullification of guarantees issued by iTe Products.
- The notch has a life span of approximately 50²m per side (if supplied by **iTe Products[®]**)

1.4 APPLICATION

- **GRIPiTe[®] V30 SD** is poured onto the floor and evenly spread with the A2 notched trowel.
- the notched trowel must be held perpendicular to the floor surface to ensure the correct volume of adhesive is applied.
- 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.
- **GRIPiTe[®] V30 SD** must be allowed to flash off and develop its tack which happens approximately 10min after application.
- Atmospheric conditions will influence flash off times and as such time to flash off may vary
- Ensure no building dust and debris contaminates the adhesive film as this will affect adhesion properties as well as mirror through the floor covering
- At this point the floor covering is laid into the adhesive following the floor covering manufacturers installation instructions.
- allow 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). If the floor covering is laid to early adhesive may push between the gaps and cause inadequate adhesion.
- Lay the floor covering into the adhesive pushing from the centre towards the ends to ensure any air trapped between covering and substrate is removed and ensuring full contact is made between adhesive and floor covering.
- Roll the floor covering utilising a 68kg heavy roller in a north, south and then east, west fashion to maximise transfer and flatten the adhesive ridge lines.
- Re-roll the surface utilising the 68kg heavy roller once the installation is completed and or if required to ensure full contact is achieved.
- **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 15°C from the Initial temperature reading during installation.



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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.
- 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

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

The floor covering can be washed with water and a mild detergent before **GRIPiTe[®] V30 SD** has set.

Once **GRIPiTe[®] V30 SD** has cured, **CLEANiTe[®]** will remove it effectively.

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[®] V30 SD must be stored in a cool dry place.

GRIPiTe[®] V30 SD must be stored between 5°C and 30°C, and protected from frost, direct sunlight and the elements.

GRIPiTe[®] V30 SD 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® V30 SD

2.1.1 USE OF SUBSTANCE / PREPARATION

Industrial/Commercial/Residential.

Used for: Adhesing static conductive or dissipative floor coverings to cementitious substrates

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-hydrOxypolyglycolether <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.....: 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.

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 de-scribes 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[®] V30 SD 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 % 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 V30 SD Acrylic Static Dissipative Flooring Adhesive

iTe Products **GRIPiTe[®] V30 SD** 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 SD 0g/l

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

I declare the above information to be correct

Signed:



Peter Funke

Product Development Manager

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 SD** 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 SD** is to be used in the installation of the floor covering.

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

Yours faithfully,



Peter Funke
Product Development Manager

6. WARRANTY

iTe Products® GRIPiTe® V30 SD is manufactured to comply with the required standards for use as an adhesive for bonding SD or ESD vinyl floor coverings onto the LeveliTe range of products. 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. We cannot be held responsible where **GRIPiTe® V30 SD** has been used in conjunction with other floor preparation products which we have no control of and which may pose compatibility issues.

iTe Products® guarantees its system of products, as the product ranges are designed to work with each other and are fully compatible.

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.

7. SUGGESTED SPECIFICATION

Install _____ Flooring onto substrate with **GRIPiTe[®]V30 SD** Water Based Acrylic adhesive in accordance with the manufacturer's specifications.