



**GRIP** **iTe**<sup>®</sup> **C60**  
SOLVENT FREE  
HIGH-PERFORMANCE  
CONTACT 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	12

# 1. TECHNICAL DATA

## 1.1 DESCRIPTION

**GRIPiTe<sup>®</sup>C60 Contact Adhesive** is a powerful solvent free two way stick adhesive. It has a short open time with bonding capabilities for Vinyl Wall Cladding, Skirtings, profiles and floor coverings on absorbent and non-absorbent substrates internally.

**GRIPiTe<sup>®</sup>C60 Contact** is suitable for use with PVC or Vinyl Flooring, Linoleum, LVT's, Rubber Flooring, Needle Punch Carpeting and most floor and wall coverings. If in doubt please contact our technical staff. GRIPiTe C60 is safe to use on many materials, including polystyrene and solvent sensitive products.

Containing no VOC's, **GRIPiTe V30 SD** is GBCSA compliant for green buildings, is absolutely safe for use in confined, poorly ventilated areas and has a very low odour emission. Unlike non-flammable solvent based contacts, **GRIPiTe<sup>®</sup>C60** is not harmful to the applicator.

**GRIPiTe<sup>®</sup>C60 Contact** is available in 5Litre and 20Litre buckets.

## 1.2 USAGE/COVERAGE

**GRIPiTe<sup>®</sup>C60 Contact** is applied at a rate dependent on the application method. There are four predominant application methods:

1. Apply the adhesive onto the wall with an A2 notched trowel (1.5mm V notches with 1.5mm spaces), and flatten the notches by rolling with a mohair roller. Apply the GRIPiTe C60 onto the back of the sheeting with a mohair roller. This method yields approximately 3m<sup>2</sup> per Litre. (covering both surfaces)
2. Apply the adhesive onto both surfaces with a mohair roller. This method yields approximately 3m<sup>2</sup> per Litre. (covering both surfaces)
3. For extrusions or small profiles, a brush application is preferable to ensure that sufficient adhesive is present to bridge the two surfaces. This method yields approximately 2m<sup>2</sup> per Litre. (covering both surfaces)
4. On very porous substrates it is advisable to apply sufficient adhesive to prevent glue-line starvation by using a lamb's wool roller, or priming the surface with a coat of GRIPiTe C60 first.

**NB** When the two adhesive applied surfaces are brought together, subsequent movement of the sheeting or material is possible. It is important to line the material up correctly before bringing the surfaces into contact with one another as movement may lift adhesive.

When fixing materials to substrates other than cementitious screeds or substrates, please consult with **iTe PRODUCTS'** technical staff.

## 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.



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CONTACT ADHESIVE**

If applying over previously painted or coated surfaces, it is advisable to ensure that these are sound and capable of carrying any weight and not delaminating. It may be advisable to degrease steel or aluminium surfaces prior to application to ensure proper bonding. Wooden surfaces may require priming with **GRIPiTe<sup>®</sup>C60** to promote better bonding.

## **1.4 APPLICATION:**

**GRIPiTe<sup>®</sup>C60 Contact Adhesive** functions when the two pre-adhered surfaces have flashed off, leaving tacky but dry adhesive films on them. Care must be taken to allow the adhesive films to dry sufficiently to prevent entrapment of any water from the adhesive to be trapped between the surfaces, which will retard the curing and final bond strength.

Use a mohair or foam roller to apply the adhesive in a thin, fine even layer onto each surface, and wait for the two surfaces to dry. When dry, line up the material to be bonded carefully, and place the sheet into the adhesive, rubbing it into position to ensure no air entrapment. When finally positioned, rub the surface entirely, bring pressure to bear to promote the best possible bond.

When porous materials are to be bonded, **GRIPiTe<sup>®</sup>C60** will allow for the surfaces to be bonded before they have flashed off completely, and no volatile entrapment will occur, and given its solvent free properties, it should not have any effect on the materials.

### **DRYING TIME:**

**GRIPiTe<sup>®</sup>C60 Contact Adhesive** dries rapidly, and depending on ambient conditions should be ready for bonding in approximately ten minutes. Please note that being water based, GRIPiTe C60 may experience slower drying in cold conditions, where use of a heater or fan will assist in speeding up the drying process. The installer should adjust his installation process based on the drying time experienced at the time.

## **1.5 WALL CLADDING:**

**GRIPiTe<sup>®</sup>C60** is applied at a rate of 4m<sup>2</sup> 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 3m<sup>2</sup>per 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



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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.

## **1.6 CLEANING EQUIPMENT:**

Before it has set **GRIPiTe®C60** can be washed off with soapy water. Once dry, thinners or similar will be effective.

## **1.7 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.

## **1.8 SHELF LIFE:**

Stored in a cool dry store, unopened **GRIPiTe®C60** 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<sup>®</sup>C60 Contact**

#### 2.1.1 USE OF SUBSTANCE / PREPARATION

Industrial/Commercial/Residential.

Used for: Adhering flooring and wall coverings to cementitious surfaces

#### 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 88/379EEC 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:



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*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*



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Relative density.....: Approx 1.15gm/cm<sup>3</sup>

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<sup>®</sup>C60 Contact**

### 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) = 1,02g/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

10 November 2016

### **Short Report: Product GRIPiTe C60 Contact**

iTe Products **GRIPiTe<sup>®</sup>C60 Contact** Adhesive meets the Green Building Council of South Africa's credit criteria for the following reasons:

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

**GRIPiTe<sup>®</sup>C60 Contact** 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

10 November 2016

To: All interested Parties

Dear Sir/Madam,

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

We hereby confirm that **GRIPiTe<sup>®</sup>C60 Contact** 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<sup>®</sup>C60 Contact** 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



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## 6. WARRANTY

**iTe PRODUCTS GRIPiTe<sup>®</sup>C60 Contact** is manufactured to comply with the required standards for use as a two way adhesive for bonding vinyl and other resilient floor coverings and carpeting to cement based substrates and vertical surfaces.

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/Wall cladding/extrusions/profiles with **GRIPiTe<sup>®</sup>C60** Water Based Contact adhesive in accordance with the manufacturer's specifications..