



GRIP **iTe**[®] **C60**
SOLVENT FREE
HIGH-PERFORMANCE
CONTACT ADHESIVE

DATA SHEETS

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1. TECHNICAL DATA

1.1 DESCRIPTION:

GRIPiTe[®]C60 Contact Adhesive is a powerful solvent free two-way stick adhesive.

GRIPiTe[®]C60 Contact is available in 5kg and 20kg buckets.

GRIPiTe[®]C60 Contact Adhesive 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[®]C60, is suitable for use with the installation of:

- PVC or Vinyl Flooring,
- Linoleum,
- LVT's,
- Rubber Flooring,
- Needle Punch Carpeting and most floor and wall coverings.
- Is safe to use on many materials, including polystyrene and solvent sensitive products.
- Should you be unsure as to the material and adhesive to utilise in your application please consult with the ITe Products technical team.
- **GRIPiTe[®]C60** Has a low odour, making it suitable for use in rooms adjacent to occupied areas.
- **GRIPiTe[®]C60** is Water-based, with no organic solvents, this adhesive is "green" and complies with all GBCSA requirements.

1.2 SURFACE PREPARATION:

The preparation of the surface is critical to ensure successful installation of any covering and must therefore be strictly adhered to, too ensure longevity and performance of the covering for the duration of its lifespan.

- The substrate must be structurally sound.
- Free of loose granular particles.
- Free of excess dust.
- Dry - moisture levels must be below 3% using a VI-D4 Moisture meter and or below 75%RH.
- Adhere to the covering manufacturer's specification for moisture levels. should the 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, paint, and any substance that can inhibit adhesion.
- Adhere to the covering manufacturer's specification for floor flatness conformity. We recommend that SANS 10070:2012 be complied with.
- The temperatures must be maintained constantly above 10°C and below 30°C during and after the application, flash off, and final drying of the adhesive.



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- The temperature must not fluctuate more than 19°C from the Initial temperature reading during Installation.
- 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 is advisable to degrease steel or aluminium surfaces prior to application to ensure proper bonding. Wooden surfaces may require priming with **GRIPiTe[®] C60** to promote better bonding.

Further surface preparation information can be made available on request.

1.2.1 MOISTURE

Should the moisture levels exceed that stipulated above, and that mandated by the 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.

1.2.2 SURFACE FINISH

The surface must conform to the requirements set out by the covering manufacturer to ensure the covering maintains Integrity throughout its life span. Should the surface not conform to that required, the surface can be rectified utilizing the appropriate **LEVELiTe[®]** self-levelling, or **DURALiTe[®]** skim plaster compound.

1.3 USAGE:

GRIPiTe[®] C60 Contact is applied onto both surfaces with a mohair roller. This method yields approximately 6m² per Litre. (covering both surfaces)

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 6m² per Litre. (covering both surfaces)

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.

1.4 APPLICATION:

- **GRIPiTe[®] 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 between the surfaces, which will retard the curing and final bond strength.
- 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.
- 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 material 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.



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- **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 19°C from the Initial temperature reading during Installation
- **NB** When the two adhesive applied surfaces are brought together, subsequent movement of the sheeting or material is **NOT** possible. It is important to line the material up correctly before bringing the surfaces into contact with one another as movement may lift adhesive causing failure.
- When fixing materials to substrates other than cementitious screeds or substrates, please consult with **iTe Products'** technical staff.

1.5 DRYING TIME:

GRIPiTe[®] 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, use of a fan will assist in speeding up the drying process. The installer should adjust his installation process based on the drying time experienced at point of installation.

1.6 PRECAUTIONS:

- Ensure the covering is properly acclimatised prior to Installation, as per 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 covering material.
- Allow the adhesive 24 hours to set before applying any load to the covering, this Includes but is not limited to furniture.

1.7 CLEANING EQUIPMENT:

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[®] C60** has set. Once **GRIPiTe[®] C60** has cured, **CLEANiTe[®]** will remove it effectively.

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:

GRIPiTe[®] C60 must be stored in a cool dry place.

GRIPiTe[®] C60 must be stored between 5°C and 30°C, and protected from frost, direct sunlight and the elements.

GRIPiTe[®] C60 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® 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-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).

2.2.4 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-hydr0xypolyglycolether <3 Xn R22-41



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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



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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[®]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% x S.G. x 10

3.4 S.G. (g/ml) = 1,02g/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

10 November 2016

Short Report: Product GRIPiTe C60 Contact

iTe Products **GRIPiTe[®]C60 Contact** meets the Green Building Council of South Africa's credit criteria for the following reasons:

Maximum VOC allowable (gms/litre)	50g/l
GRIPiTe[®]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:



Peter Funke

Product Development Manager

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[®]C60 Contact** 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[®]C60 Contact** 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



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6. WARRANTY

iTe Products GRIPiTe[®] 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.

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



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7. SUGGESTED SPECIFICATION

Install _____ Flooring/Wall cladding/extrusions/profiles with **GRIPiTe[®]C60**
Contact Water Based Contact adhesive in accordance with the manufacturer's specifications..