

# The Fastener Specialist

Your Construction Supply Specialist

Reg Number: 2018/378047/07 (Pty.Ltd)

## Cem-Grip Bonding Agent Technical & Safety Data Sheet

### INTRODUCTION

CEM-GRIP is a universal water-based bonding liquid that has been specifically designed for use in the building and construction industry to bond sand, cement plaster and gypsum to plaster.

### ADVANTAGES

Improves non-structural bond of cement & gypsum plasters. No more hacking and chipping of smooth surfaces – a great time saver. Bonds to sound PVA surfaces and is easy to use.

### HAZARDOUS INGREDIENTS

Component	CAS #	% By Mass
Non-Specific		

### PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	White
Odour	Mild
Melting Point/Range	0°C
Freezing Point/Range	0°C
pH (25 °C)	7 - 8
Flash Point	>100 °C
Relative Density (25 °C)	1.00
Solubility (Water Solubility) 25 °C	Completely Miscible

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## CHARACTERISTICS

Solids Content	51%
Viscosity at 25°C (Brookfield RVT, Spindle 2 Speed 100 rpm)	125 mPa.s
pH	240 nm
Mean Particle Size	1.03
Specific Gravity at 25 °C	Anionic + Non-Anionic Free APEO
Emulsifying System	7 - 8
MFFT	9 °C
Tg	19 °C

## SURFACE PREPERATION

Prior to applying the cement grip, surfaces should be free of loose particles, scaling or flaking material. Wire brush and rinse the surface if necessary.

## APPLICATIONS

Cement Grip on soffits and vertical surfaces – coat the prepared surfaces with a scratch coat consisting of 2 parts river sand, 1 part cement and 1 Part Cement Grip, after dust etc has been removed. The scratch coat can be applied by either throwing it onto the surface with a trowel or a block brush or alternatively using a tyraline machine. Once the scratch coat is dry you can then plaster in the usual manner.

When gypsum-based plaster is used, apply the cement grip to the prepared surface and plaster straight onto the wet Cement Grip finishing off with a single operation.

Cement Grip can be added to a sand/cement plaster mix (10% of water content) to obtain a stronger bond. Cement Grip can be applied with a brush or roller.

## PACKAGING

Cement Grip is available in 5L, 20L and 200L plastic containers.

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## COVERAGE

Coverage is approximately 10 m<sup>2</sup> per litre.

## STORAGE

Cement Grip can be stored for between 6-12 months in the packaging in which it is supplied, provided that the containers are kept sealed. Storage should be in a cool and dry place and direct sun light must be avoided. Failure to adhere to these instructions may result in a reduced shelf life.

The usual precautions against frost should be taken during storage and handling.

## DISPOSAL CONSIDERATIONS

Waste from Residue / Unused Products	Dispose of as special waste in compliance with local and national regulations.
Contaminated Packaging	Empty containers should be taken for local recycling, recovery, or waste disposal.

## TOXICOLOGICAL AND ECOLOGICAL INFO

No Information

## FIRE FIGHTING MEASURES

Means of Extinction	Water, water spray, dry powder, sand, foam
Extinguishing Media not to be used	None
Specific Hazards	The product itself does not burn
Protective Equipment for Firefighters	Self-contained breathing apparatus should be worn to avoid inhalation of smoke or vapour
Specific Methods	Standard procedure for chemical fires

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## ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Keep people away from and up wind of a spill/leak
Environmental Precautions	Do not let product enter drains and waterways. Avoid subsoil penetration
Methods for Cleaning Up	Soak up with inert absorbent material. Shovel into Suitable container for disposal. After cleaning, flush away traces with water

## EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures to Reduce Exposure	Ensure adequate ventilation, especially in confined areas
PPE – Respiratory Protection	No personal respiratory protective equipment is normally required
PPE – Hand Protection	PVC or other plastic material gloves
PPE – Eye Protection	Face Shield
PPE – Skin and Body Protection	Chemical resistant apron, protective suit, safety shoes
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice

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## EMERGENCY & FIRST AID PROCEDURES

General Advice	Take off contaminated clothing immediately. Show this safety data sheet to the Doctor in attendance.
Inhalation	Move to fresh air in case of accidental inhalation of Vapours. Obtain medical attention. Don't use mouth to mouth or mouth to nose resuscitation.
Skin Contact	Wash affected areas with soap and water and rinse thoroughly.
Eye Contact	Flush with copious volumes of water for at least 15 mins. Keep eye wide open while rinsing. Consult Doctor.
After Swallowing	Rinse out mouth. (Never give anything by mouth to an unconscious person.) Don't induce vomiting. Call a Doctor immediately.

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## STABILITY AND REACTIVITY

Stability	Stable
Conditions to Avoid	Do not freeze
Materials to Avoid	None
Hazardous Decomposition Products	None under normal use. Thermal decomposition can lead to release of irritating gases and vapours.

## TRANSPORT INFORMATION

Not classified as dangerous in the meaning of road & railway transport regulations.

Not classified as dangerous in the meaning of sea & air transport regulations.

Not classified as dangerous in the meaning of transport regulations.

## OTHER INFORMATION

The information provided in this document is offered in good faith and is based on our current knowledge of the product. We do not accept responsibility for damage and claims arising from handling, transport, storage, or disposal of the product. The information relates only to the specific material designated and may not be valid for such material used with any other materials or in any process unless specified in the text. This does not constitute a guarantee or warranty for any specific product feature and shall not establish a legally contractual relationship.