

Keying and bonding agent for plasters and cementitious products.

Product Description

GripKey is a vinylacetate copolymer emulsion and water based universal keying and bonding agent. The use of **GripKey** offers improved adhesion to substrate, toughness and flexibility as well as resistance to certain chemicals. **GripKey** also enhances abrasion resistance and increased resistance to water penetration.

Characteristics/Advantages

- Easy to use
- Improves bond of cement and gypsum
- High water resistance
- Excellent abrasion resistance
- Good chemicals resistance to many chemicals and oils
- Prolonged corrosion resistance
- Non-toxic
- Improved flexibility
- Reduces cementitious shrinkage

Typical Uses

- Concrete Repairs
- Waterproofing applications
- Corrosion protection of steel
- Bonding plasters and renders to substrates
- Tiling

Surface Preparation

Concrete surface or substrate must be structurally sound. Remove all loose concrete. Surfaces must be free of oil, greases, dust, rust, paint laitance and any other contaminants.

Application

Absorbent surfaces should be wet down prior to application. Ensure they are saturated but free of free standing or surface water.

GripKey can be added to our range of **GripRepair** repair mortars at a rate of 10% to 50% water replacement to improve bond, flexibility, shrinkage reduction as well as water resistance.

GripKey can be used to prepare a bonding slurry. Mix 1½ to 2 parts cement to 1 part GripKey. Mix to a lump free consistency. Do not apply thicker than 2mm; rather apply multiple coats if required.

Scratch Coat for concrete and brick surfaces: such as soffits and vertical applications – a scratch coat can be applied which should consist of 2 parts river sand (or fine silica sand) and 1 part cement. Mix to the desired consistency with **GripKey** and apply to the surface. It can be applied by trowel, block brush or even tyraline machine. Allow the coat to dry and then plaster as normal.

For Gypsum based materials apply **GripKey** directly to the surface and plaster onto the wet **GripKey**.

For stronger plaster application, add 10% **GripKey** to the mix water.

PRODUCT DATA

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| Appearance: | White Liquid |
| Colour: | White |
| S.G.: | 1.01 to 1.05 |
| pH: | 6.5 to 7.5 |
| Packaging: | 5 litre buckets, 25 litre buckets, 200 litre drum, 1000 litre flowbins |
| Storage Conditions: | Store in a dry cool area, temperature between 5 - 25°C |
| Shelf Life: | 12 months in original unopened bags, when stored in the correct storage conditions |

Limitations

Do not apply modified mixes to bonding slurry that has dried out.

Always use cool, clean fresh water for any mix.

Do not allow modified mixes to dry out to suddenly as this may deny the cement sufficient time to hydrate completely and reduce strength.

Health and Safety

Refer to **GripKey** MSDS sheet