

# HI-BOND HI-CRETE

## DESCRIPTION

Hi-Bond Hi-Crete is a polyurethane screeding system offering a high build alternative for those jobs requiring a good chemical and or heat resistance along with excellent wear and hygiene resistance.

## APPLICATION

Where the highest resistance to wear and corrosive chemicals is required. Offers a good finished appearance so is ideal in food, brewing, dairy, and chemical industries.

## ADVANTAGES

Steam cleanable  
Non-tainting  
Slip resistance  
Will not support bacterial growth  
Good abrasion resistance  
Good adhesion  
Good impact resistance  
Good stability over a wide range of temperature  
Good chemical resistance  
Trafficable after 24 hrs, foot traffic 8-10 hrs  
Trowel applied.

## TYPICAL PROPERTIES

Tensile strength	6.0 Nmm <sup>2</sup>
Flexural strength	14 Nmm <sup>2</sup>
Compressive strength	55 Nmm <sup>2</sup>
Solids	100%

## CHEMICAL RESISTANCE

Hi-Crete shows good chemical resistance to most cleaning chemicals found in use today. It has shown excellent results in resistance tests to most aggressive chemicals found in industry especially when the contact is brief, as would be found in environments with good housekeeping where splashes are removed by dilution as quickly as possible. If more specific information on chemical resistance is required please contact our technical department.

## PACKAGING

Hi-Crete is available in 29Kg packs, consisting of Liquids A and B and bagged aggregate.

## SURFACE PREPARATION AND PRIMING

Hi-Crete is a refined formulation that requires careful and thorough substrate preparation. Care must be taken to ensure accurate recommendations are given to both preparatory methods, especially regarding joints, edgings, flashing and levels. The standard methods, of preparation, such as surface blasting are

satisfactory as long as they are carried out to exacting procedures.

HiCrete has been found suitable over the following suitably prepared substrates:

Previously laid Hi-Crete  
New or aged concrete  
Polymer modified screeds

## BRIEF GUIDELINES

General conditions.

Dry, clean and sound substrate

Ensure all holes, cracks are filled, preferably with EM41 Patching mortar.

Careful consideration needs giving to joint remedials and preparation, especially in areas likely to be subjected to unusual stress, such as hot areas around ovens, or areas under steam out-lets.

Coves etc. These should be preformed and in situ well before application of Hi-Crete.

More detailed instructions are available on request.

## MIXING AND APPLICATION

Care must be taken to ensure the substrate and ambient temperatures are as near 10 to 35oC. Always ensure that any localised heat source has been removed before application.

Mixing times should be as short as possible, avoiding air entrapment, but ensuring uniformity of mix.

## HEALTH AND SAFETY

See separate Health and Safety Data Sheet

## STORAGE

Store between 0oC and 25oC

## WARRANTY DISCLAIMER

The technical data herein has been compiled for your help and guidance and is based upon our experience. As we have no control over the use to which our information is put, no warranty, expressed or implied is intended or given and we cannot be held responsible for coverage, performance or any damages incurred.

DATA S/1521999