

UCRETE PRIMER TC

Solvent-free Primer for Ucrete® Wall Render

Description of Product

UCRETE® PRIMER TC is a solvent-free, two component primer based on polyurethane technology. Part 1 is a medium viscosity liquid. Part 2 is a low viscosity brown liquid.

Fields of application

UCRETE® PRIMER TC is applied to prepared concrete substrates prior to coating with UCRETE® WR. It reduces the porosity of the prepared concrete, and provides a tacky surface to aid vertical application of the UCRETE® WR.

Features and benefits

- Environmentally friendly
 - No volatile solvents
 - Non-tainting
- Safe
 - flash point above 220°C
 - non-flammable
 - no special requirements for transport or storage
- Easy application by roller or brush

Application Procedure

Substrate quality:

Substrates will normally be concrete or polymer modified screeds. Other substrates may be suitable; contact BASF UAE, Technical department.

All substrates must be clean and free from dust and loose particles. Concrete and other cementitious substrates must be visibly dry and have a minimum tensile (pull-off) strength of 1.5 N/mm². UCRETE® PRIMER TC may be applied to substrates of lower strength but the longterm

performance of the floor may be affected. All traces of contaminants, such as oils, fats, greases, paint residues, chemicals, algae and laitance, should be removed.

Preparation of substrate

As with all surface coatings, proper surface preparation is vital to ensure the successful application and performance of UCRETE® PRIMER TC.

As UCRETE® PRIMER TC is used on vertical surfaces appropriate surface preparation techniques are grinding, needle gun and grit blasting. Other methods, such as air impact hammer (scabblor) – provided that the substrate is not damaged, concrete surface planer, grit blasting, wirebrush scarifier, surface grinder, drum sander and flame spaller, can be satisfactory. Chemical methods, such as acid etching, are not reliable and not recommended.

Mixing

Pour the contents of the Part 1 can and the Part 2 can into a 5 litre polyethylene mixing pail and mix using a Helical “Epi” type mixer operated at 1500 to 2000 rpm for 1-2 minutes.

The working life is approximately 25 minutes. Multiple units may be mixed but do not mix more material than can be applied in 25 minutes.

Application

Do not apply to damp substrates. Do not apply when atmospheric condensation is occurring or likely to occur before full cure is obtained,



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i.e. when the substrate temperature is within 3°C of the dew-point.

Apply the material to vertical surfaces by brush to ensure even spreading and no ponding. Do not use UCRETE® PRIMER TC on horizontal surfaces.

Ensure sufficient material is applied to overcome the absorption of the substrate and leave a layer of UCRETE® PRIMER TC on the surface. Very porous substrates may require additional priming prior to the application of UCRETE® PRIMER TC.

The material should be left for between 45 and 120 minutes to allow to become tacky prior to the application of the UCRETE® WR. Do not apply more material than can be coated with UCRETE® WR within this time period.

Temperature will affect the length of open time. High temperature will result in a reduction in the tacky period.

If the UCRETE® PRIMER TC is not coated with UCRETE® WR within the tacky period it should be allowed to fully cure before priming is conducted again.

Areas of UCRETE® PRIMER TC left un-coated for more than 48 hours should be mechanically prepared before being primed again.

Packaging

UCRETE® PRIMER TC is supplied as a 2 component pack:

Total pack size : 2.41kg

Coverage

Coverage is influenced by substrate roughness, porosity and temperature. The following can be used as a guide.

Coverage 0.2-0.3kg/m²

Cleaning

Cleaning of plant and equipment should be undertaken well away from the application area. Xylene may be used to clean equipment, tools and spillages. In the case of spillages, excess material must first be absorbed onto sawdust or other disposable absorbent medium. Use correct handling procedures with solvents and take care to avoid any accidental spillage or splashes onto coated surfaces.

Part 2 containers may contain small amounts of unreacted diisocyanates (MDI). Therefore they must be decontaminated with a 5% solution of soda ash (sodium carbonate or washing soda) prior to disposal as building waste.

Storage

All parts of UCRETE® PRIMER TC should be stored under cover and free of the ground. Protect from all sources of moisture. Storage conditions should be dry, above 5°C and below 30°C

Watch points

Appropriate health and safety advice can be found in the Material Safety Data Sheets.

Users are advised to wear gloves and eye protection when mixing and applying UCRETE® PRIMER TC.



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Health and Safety

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Solvent Based Products

Use in well ventilated areas; avoid inhaling. Suitable respiratory equipment may be needed, eg when spraying. Can cause skin, eye irritation. Wear protective eye shields and gloves during use. Do not smoke or allow sparks or naked lights when stored or in use.

Powder Products

Should be handled to minimise dust formation; use light mask if excessive dust unavoidable. Cement powders when wet or moistened can cause burns to skin and eyes which should be protected during use.

Resin Products

Can cause irritation, dermatitis or allergic reaction. Use protective equipment particularly for skin and eyes. Use only in well ventilated areas.

Spillage

Chemical products can cause damage; clean spillage immediately.

Disclaimer

"BASF" (the Company) endeavour to ensure that advice and information given in Product Data Sheets, Method Statements and Material Safety Data Sheets (all known as Product Literature) is accurate and correct. However, the Company has no control over the selection of its products for particular applications. It is important that any prospective customer, user or specifier, satisfies him/her-self that the product is suitable for the specific application. In this process, due regard should be taken of the nature and composition of the background/base and the ambient conditions both at the time of laying/applying/installing the material and when the completed work is to be brought into use.

Accordingly, no liability will be accepted by the Company for the selection, by others, of a product which is inappropriate to a particular application.

Products are sold subject to the Company's standard conditions of sale and all customers, users and specifiers, should ensure that they examine the Company's latest Product Literature.

07/2004 BASF_CC-UAE-revised 06/2008

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As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

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