

Product: VITCAS HEAT RESISTANT PLASTER

Description: High temperature smooth finish as a replacement material for gypsum plaster where the temperatures are too high for gypsum plaster to stay on the wall. For use around the opening of cassette fireplaces (sometimes called hole in the wall fires) and adjacent to wood burning stoves and range cookers where the area of the wall is subjected to intense heat. Typical Applications:

- For rendering brick, stone, concrete and breeze block fireplaces
- Inside open fires.
- Inside a fireplace opening for a free standing stove

| Technical Data | |
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| Consistency | Dry powder |
| Colour | Light Grey when dry. |
| Maximum aggregate size | 0.25 mm |
| Density | 1,950 kg/cum |
| Thermal Conductivity | 0.75 w/mK |
| Cold Crushing Strength | 15 MN/m ² |
| Mixing ratio with water | ~ 200mls/kilo |
| Maximum temperature | 650°C |
| Initial setting time | Approx 1 hour |
| Drying time | 2 – 3 days above 20°C |
| Coverage | 20kg tub will cover approximately 2m ² at a thickness of 6mm |

Application Instructions:

Preparation: Remove all traces of old render and plaster on the wall or part of wall to be treated. Re-render using Vitcas Fireplace Render. It is important to ensure that the Vitcas®Fireplace Render is fully dried prior to applying Vitcas®Heat Resistant Plaster. The Vitcas®Fireplace Render should be left to dry for at least 3 days in temperatures above 18 degrees centigrade and for longer if moisture is still present as apparent by the colour of the material. If possible apply heat after day one ie light the fire or use another type of heater. Prepare the area by coating with undiluted PVA Adhesive Sealer.

If you need to apply Heat Resistant Plaster onto a board then we ONLY recommend using VITCAS®HIGH TEMPERATURE PLASTERBOARD which is designed for this purpose.

For plastering the boards with Vitcas Heat Resistant Plaster should be fixed with the rough reverse face and the board sealed with neat PVA before starting to plaster when the PVA becomes tacky.

Application:

The material should be mixed with cold tap water to a useable consistency with a plaster mixer / drill attachment. There should be no traces of ordinary Portland cement or gypsum plaster on the tools or in the mixing buckets. It is best to mix the plaster in the bucket in which it is supplied. Take care not to mix the material too wet.

As a guide the amount of water required is approximately 200 ml per kilo. A thickness of approx 3-6mm should be applied. It is important that the plaster is applied evenly i.e. no feathered edges. The surface finish must be obtained during flotation with the trowel. The material cannot be sanded when dry. Due to the surface being dense and non-porous when dry it is not suitable for finish skimming. Any minor cracks can be repaired using VITCAS® HEAT RESISTANT FILLER. When dry the finished surface forms a very hard heat resistant surface that can be painted over as required.

Heat Resistant Plaster must be allowed to air dry for at least 3 days before lighting fire.

STORAGE: Keep any unused material dry and store in a cool dry place away from children and pets. Shelf life is 12 months from the date of manufacture in unopened, original packaging, stored at temperatures between 0°C and 25°C in a dry place protected from freezing.