

# Processing instructions

## CHROMOXID-Paint

The specifications listed in this document are to be observed when processing and installing the respective product! Modification of or deviation from the processing specifications can lead to considerable application problems! This processing specification describes general guidelines for the storage, processing and installation of the refractory material specified. If, e.g. due to individual construction site conditions, it seems necessary to deviate from the procedure described here, be sure to consult Refratechnik Ceramics GmbH before processing!

### General:

- Chromium oxide paint is a refractory marking paint. Delivered dry, it is mixed with water on the construction site and processed. Volume change during storage and transport has no effect on the quality.
- The right hardening, i.e. sintering of the engobe, only takes place under the influence of temperature.

### Storage:

- In general: store in a dry, cool and frost-free place!
- Refractory paint that has become wet or lumpy or passed its shelf life cannot be used.
- In case of incorrect storage, a product can become unusable or its quality limited well before the expiry of the specified shelf life.
- Standing wetness, e.g. through insufficient drainage of the storage space can also damage the material.

### Health and safety:

- Always use suitable eye protection, dust mask, protective clothing and work gloves!
- Wash thoroughly after processing the material!
- Observe the safety data sheet!

### Mixing:

- Mixers and tools need to be clean and free of any contamination!
- An agitator is used for mixing.
- Only use water in drinking water quality.
- Addition of water:  
1.60 litres per 1kg of paint powder
- Stir the mixture with an agitator for approx. 5 min. Stir again for 5 minutes every 30 minutes, as the paint pigments settle to the bottom.
- The water temperature should be between 15 and 25°C, but should under no circumstances be below 5°C

### Processing:

- Store material in a dry place until use! Only process at over 5°C.
- The temperature of the finished mixture and the materials to be mixed should be between 10 and 25°C when processed.
- Paint that dries in the container can be liquified again by adding water.

### Curing – hardening:

- The right hardening, i.e. sintering of the paint, only takes place under the influence of temperature. For this, at least 800°C are required. Under this, the paint hardens, but does not cure permanently.