

Mike Wye & Associates

Suppliers of Natural Building and Decorating Products

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Naturfarben GmbH

Shielding Paint

Product Information 720 - 721

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• GENERAL

Electro-smog is part of the environmental pollution weighing heavily on the human organism. The detrimental effects on health are evident, however, comprehensive investigations of the causes are only rarely performed. The following are brief explanations of the term electro-smog and the possible remedies:

1. Alternating electrical fields (low frequency) caused by electrical installations, electrical appliances, cables, power outlets and distribution boxes.

Remedy: switch off or shield with **Kreidezeit Shielding Paint**.

2. Alternating magnetic fields (low frequency) caused by electrical current in cables, highvoltage power lines, electrical floor heating, energy-saving lamps, transformers, storage heaters.

Remedy: switch off, avoid.

3. Electromagnetic waves (high frequency) caused by radio and television transmitters, microwaves, radar installations, cordless telephones.

Remedy: can partially be shielded. It is advisable to consult an experienced construction biologist.

4. Electrical static fields (electrostatic charge) originate from plastic wall papers, synthetic fibre carpets, plastic coatings and varnishes etc.

Remedy: remove synthetics and plastic and use natural surface treatments and floorings. Use conducting glues in medical centres and in computer rooms.

5. Magnetic static fields (magnetostatic charge) caused by spring mattresses, steel components etc. in living areas, but also by geomagnetism.

Remedy: remove steel and iron, shielding is not possible.

Before taking any measures, it is important to identify alternating electrical fields and static fields with the aid of a testing instrument (e.g. Interfering Field Tester, Art.No. 1107). Corrective action such as extending the distance between radio alarm clock and bed, removing synthetics and installing demand switches reduce the exposure. Should it not be possible to install demand switches, or in case of inaccessible cables, distribution boxes or similar, coating with Kreidezeit Shielding Paint should be performed.

• APPLICATION

Kreidezeit Shielding Paint can be applied without difficulty on ingrain wallpaper and the like, plaster, concrete and masonry. Strongly absorbent surfaces like gypsum, lime and clay plasters must be primed with Casein Primer (Art.No. 145). Unsuitable surfaces are e.g. oil paint coatings, plastic coatings and all chalking or flaking old coatings. Make samples (trial coatings) to check suitability for surfaces with old emulsion paints.

• PROPERTIES

Thanks to its high electrical conductance, this paint shields electrical fields (principle of the Faraday cage). Kreidezeit Shielding Paint is made only from natural, nonpoisonous ingredients, very diffusible, nearly odourless,

wiping-resistant and can be coated with Kreidezeit Marble Paint or Pit Lime Paint.

Colour: deep black

Residues can be composted.

• **INGREDIENTS (FULL DECLARATION)**

Sootblack, graphite powder, carbon black, chalk, kieselguhr, soda, casein, lime hydrate.

• **USAGE**

The surface must be clean, dry and free of fat or grease.

Mix 0.5 kg of paint powder into 0.7 litre or 1 kg of paint powder into 1.4 litres of cold water. Due to the fine pigment structure, working accurately is necessary (the addition of 3 - 5 drops of dishwashing detergent is helpful).

After an expanding time of at least 30 minutes, stir again thoroughly. Dilute with little water if necessary.

Apply the mixed paint with paint roller, brush or paintbrush.

Use up mixed paint the same day.

• **COATABILITY**

Kreidezeit Shielding Paint is deep black and can be coated with the following Kreidezeit products:

- Casein Marble PaintArt.No. 105 - 109
- Lime Casein PaintArt.No. 120 - 124
- Casein Paint to be mixed .Art.No. 101 - 102
- Glue-bound paint.....Art.No. 118
- Pit Lime Paint.....Art.No. 886 - 888
- Marble Fibre RenderArt.No. 945 - 948

Two coatings are normally required for a covering coating of the Shielding Paint.

The Shielding Paint can also be covered with wallpaper.

• **EARTHING**

The Shielding Paint coating must be grounded to ensure effectiveness.

Important: the earthing must be carried out by qualified personnel (electrician)!

The Shielding Paint coating is electroconductive, current-carrying parts must not, under no circumstances, come in contact with it. **Danger of life!!!**

• **CLEANING OF TOOLS**

Immediately after use with water or with slightly soapy water (Marseille Soap, Art. No. 220).

• **YIELD**

On primed and normal absorbent surfaces approx. 20 m² per 1 kg of paint powder.

• **PACKAGE SIZES**

Art.No. 720 0.5 kg

Art.No. 721 1.0 kg

Please refer to the valid price list for product prices.

• **DRYING TIMES**

Safe to coat after approx. 12 hrs, thoroughly dried after 24 hrs at normal climate.

• **STORAGE**

If stored dry, the powder can be kept for at least 3 years.

• **DISPOSAL OF RESIDUES**

Do not dispose of residues in the sewage system.

Dried residues can be composted or be disposed of with normal household litter.

• **HAZARD CLASSIFICATION**

Not applicable, non-hazardous product

• **SAFETY ADVICE AND NOTES**

The preparation of this paint requires accuracy and proper working. The paint has exceptional covering and

colouring properties. Danger of irreversible stains. Remove spilt paint powder immediately with vacuum cleaner.

Remove paint splashes with water and soap. Casein paints have a typical smell during application that disappears in a while in a dry environment. **Keep out of reach of children.**

The above information has been compiled in accordance with the best of our experience and knowledge. Owing to the application methods and environmental influences, as well as the various surface properties, no liabilities or legalities pertaining to the individual recommendations can be entertained. Prior to application, the suitability of the product is to be tested (trial coat). The validity of the text ceases with revisions or product modifications. You will find the latest product information at: www.mikewye.co.uk