

# Technical data sheet NoEM ELECTRO PROTECTOR



## 4 in 1



**ELECTRIC FIELD  
SCREEN**



**WHITE  
PAINT**



**ANTISTATIC  
COATING**



**PRIMER**

## CHARACTERISTICS

NoEM Electro Protector is a white paint primer that screens and absorbs electric fields. NoEM strengthens and aligns the surface absorption. It protects walls from static electricity even the application of the next layer.

## APPLICATION:

- |            |                |                    |                    |                        |
|------------|----------------|--------------------|--------------------|------------------------|
| ■ walls    | ■ bedrooms     | ■ home offices     | ■ office buildings | ■ hospitals            |
| ■ ceilings | ■ living rooms | ■ conference rooms | ■ schools          | ■ public buildings     |
|            | ■ dining rooms |                    | ■ nurseries        | ■ server rooms         |
|            |                |                    |                    | ■ transformer stations |

## PROPERTIES AND USAGE

NoEM Electro Protector 4 in 1 is the world's first electric field screen that also acts as a white paint, antistatic coating and primer. NoEM is the first water based technology (CERAQION), which will protect you from harmful electric fields. NoEM Electro Protector absorbs all negative electric fields with frequencies from 0.1Hz to 100,000Hz, including home wiring (230/240V-50/60Hz) but still allowing the mobile and WI-FI signals without disruption. The paint primer also absorbs the electric field emitted by the cables supplying power to electrical equipment. NoEM screen is also a high quality and fine covering white paint primer that strengthens and aligns the surface improving its grip, preparing it for further decorating with a topcoat of a coloured paint or other coverings.

The electric fields screen-primer is intended for substrate preparation for the painting of new and renovated rooms, for all seasoned surfaces of: gypsum, cement, calcareous, mineral and acrylic plasterwork, concrete, gypsum plaster, bricks, blocks and other ceramic materials. Highly recommended for: walls and ceilings in particular: living and dining rooms, bedrooms, entrance halls, offices and conference rooms. Recommended locations for the application of the product: houses, flats, public institutions, e.g. hospitals, nurseries, schools, office buildings, factories, hotels, dormitories, etc. This new generation of screening based on dielectric absorption, does not interrupt the Earth's natural and healthy electric fields. The Primer selectively absorbs harmful frequency, while not affecting any mobile telecommunication devices.

Thanks to a special patented supplement, the primer perfectly screens low frequency electric fields whilst at the same time, thanks to acrylic dispersion with high quality filling additives; it becomes an ideal base coat for walls and ceiling painting. It has excellent covering characteristics and good vapor permeability (amongst acrylic paints). The primer creates a matt and smooth coating without cracks and is an excellent base for all kinds of interior decorative paint top coats. Doesn't splash and does not leave streaks during or after application.

## PRODUCT PREPARATION

NoEM Screen – The interior primer is supplied and available ready to use. It must not be mixed with other substances. If necessary, the paint may be diluted, with water to a maximum of 5%. For the best screening results you should ensure that the humidity in the room is greater than 35%. The ideal relative room humidity, which is most beneficial to your health is 60%.

## SURFACE PREPARATION

The surface should be clean, degreased, dry, stable, sound and free of stains and efflorescence and any other substances reducing adhesion, especially dust, dirt, wax and grease. Old coatings and other poorly adhesive layers should be care-

fully removed. This is particularly important when painting over glue and lime paints. Surfaces covered with fungus and mould should be carefully cleaned and washed thoroughly and then secured with an appropriate fungicide. Any dents and defects should be filled with a filler. Freshly built, highly alkaline cement or lime substrates should only be painted after at least 4 weeks and with gypsum plasters after a 2 week period of seasoning. The product is ideally suited for coating of absorbent surfaces such as plaster boards, gypsum and plaster. All products for preparation of the substrate must be used in accordance with their user manuals. Surfaces not destined for coating such as furniture on doors and windows should be protected covering any plastic/metal parts.

## HOW TO USE

The interior primer must be applied on a clean surface. It works immediately after applying the first coat. It can be brush or spray painted. It should be applied in such a way to ensure an even and smooth coating. A second coat can be applied to maximise the electric field screening efficiency. Once the first coat is dry, it should first be applied using the "cross stroke" method and then one consistent direction of painting to ensure a fine finish. Application should be completed for each area without breaks to ensure a consistent coverage. The ideal temperature in the room, the prepared surface, for the product and for drying should be between +5°C to + 25°C. Drying time at +20°C with a relative humidity of around 65% is approximately 6 hours. A low temperature and/or high humidity will elongate the drying time. Tools should simply be washed thoroughly with water.

### AIRLESS gun application directions::

nozzle size	0,017-0,021 inch
spraying angle	50°
pressure	200 bar
filter	60 mesh
dilute with water	up to 5%

### TECHNICAL INFORMATION (3,5kg packaging)

water resistance	1st class (PN-C-81914:2003)
temperature of application (surface, air, materials)	from +5°C to +25°C
drying time	approx 3-6hrs depending on drying conditions
efficiency (one coat)	about 5.5-7.7 m <sup>2</sup> /kg depending on structure and absorbency of the surface
density	1.43 kg/dm <sup>3</sup> ±5%
cleaning tools	water
finish	mat
coverage	from 18 to 25 m <sup>2</sup> depending on the surface
screening efficiency	about 30dB on 0.1Hz-100kHz frequency band, depending on type of surface and relative humidity
average consumption	0,14 kg/m <sup>2</sup>

### STORAGE AND TRANSPORTATION

The paint must be transported and stored in dry conditions in original, unopened packaging in a temperature of between +5°C to +25°C. Store away from sunlight and protect from frost. Once opened the package needs to be resealed soon after use in order to use the remaining content. Product stored within recommended guidelines should give a 12-month shelf life.