

TECHNICAL DATA SHEET

Cement'in Mega Plus Lightweight Basecoat – Application onto Lightweight Blocks



Product Code: ESPS/MPL-BC



SPS ENVIROWALL PROMOTES THE RE-USE –RECYCLING AND RESPONSIBLE DISPOSING OF ALL OF ITS PRODUCT RANGE, VIA THE ENVIRONMENTAL RECYCLING SCHEMES CURRENTLY IN OPERATION LOCAL TO SITE.

Characteristics

A premixed, cement based dry mortar, designed to be used as a water-repellent basecoat for mineral or organic Finishes. Cement'in Mega is a factory mixed blend of Portland cement, light aggregates (expanded polystyrene), graded river sand, additives and admixtures.

Technical Data

Consumption

± 13 kg/m² per cm thickness

Water vapour permeability μ:	10 - 15
Flexural strength:	>- 1.5 MPa
Compression resistance:	>- 2.5 MPa
Dry density	± 1,150 kg/m³
Particle size distribution:	0 - 2.5 mm
Adhesiveness:	>- 0.3 MPa

Substrate

Substrates should be stable, sound, clean and dust free. The render is always applied to a premoistened substrate. Always allow the water film to drain off. Surfaces with a mixed porosity should receive a previous coating. Smooth concrete should be pre-treated.

When applying the render and during the hardening process, the ambient temperature, as well as that temperature of the substrate, should not be lower than 5°C or higher than 30°C. The render should not be applied to a wall which is frozen, thawing or likely to freeze in the hours following application. The freshly applied render must be protected from unfavorable weather conditions such as rain, direct sunlight or wind.

Application

Mix mechanically with 1 litre of water per 3.75 kg to the desired consistency, using a clean container and a suitable electric mortar mixer, a cement mixer or a mixing pump. Open time: 1 hour at a temperature of 20°C.

Mortar that has started to harden should not be remixed or reused

Cement'in MEGA is a lightweight cement based render for application as a water repellent basecoat for all mineral or organic SPS Envirowall finishes. The use of Cement'in MEGA is recommended on all traditional lightweight substrates such as thermal insulation blockwork, aerated concrete, damp environments or poorly ventilated areas (showers, cellars and laundries). Cement'in MEGA can be applied on any suitably prepared vertical substrate such as: brick or blockwork, concrete, the mechanical characteristics of the substrate should be at least equivalent to those of Cement'in MEGA.

Cement'in MEGA may not be used on any wall in contact with permanent moisture or on the walls of areas with little or no ventilation (e.g. Cellars, showers, storerooms, etc.). Cement'in MEGA is not suited for use on gypsum plaster or previously painted or waterproofed surfaces.

Cement'in MEGA can be applied manually or sprayed mechanically on the substrate. Apply 1 or 2 coats of Cement'in MEGA, level out and compress the render with a trowel as much as its consistency allows. The average thickness of the coating should be 15 mm.

If necessary, a reinforcement mesh can be incorporated in the base coat. The application may vary according to

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the characteristics of the substrate and the specific characteristics of the finishing coat. In dry, hot or windy weather, dampen the surface by steaming in order to prevent drying out. Protect freshly applied surface from heavy rain, drying winds and strong sunlight.

Storage

Packed in 25 kg bags shrink wrapped Euro pallets. When stored in a dry place and in the unopened, original packaging the shelf life is 6 months from date of manufacture.

Certificates/approvals

Identification

Special Information

Disposal

RECYCLING AND RESPONSIBLE DISPOSING OF ALL OF ITS PRODUCT RANGE, VIA LOCAL ENVIRONMENTAL RECYCLING SCHEMES.

Do not empty contents into the ground, water courses or drains. Check local landfill requirements for correct disposal. See the SPS Envirowall Limited Health & Safety data sheet on this product for information regarding the safe disposal of this product.

The information supplied in this Technical Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

Our application recommendations, whether verbal, written or as graphics, are given to the best of our knowledge and the state of the art. Information about values, quantities etc. are based on approximate figures. The recommendations do not constitute a legally binding warranty of quality. In particular no liability claims may be based on these recommendations; the provisions of the product liability law remain unaffected.

The recommendations do not release the purchaser from his own duty to test the product or from his own responsibility, and in particular they do not release the purchaser from compliance with the relevant technical guidelines, regulations, DIN and laws. Publication of a revised version of this technical information sheet due to technical progress invalidates all older versions of this document.