

## PRODUCT DATA SHEET Casonic® Fertig & Leicht



Ready-to-use lightweight gypsum building plaster – especially for rough backgrounds.

One-coat plastering.

A fast-setting patching plaster for small repairs.

Used to provide a smooth, flat surface to internal walls and ceilings.

Also for wet areas like domestic kitchens and bathrooms.

Stand: 08.2019

|                                          |                         |                           |
|------------------------------------------|-------------------------|---------------------------|
| <b>Material No.</b>                      | <b>509</b>              | <b>513</b>                |
| <b>Paperbag with moisture protection</b> | <b>25 kg</b>            | <b>25 kg</b>              |
| <b>Pallet</b>                            | <b>(24 bags) 600 kg</b> | <b>(40 bags) 1,000 kg</b> |

### TECHNICAL DATA

|                                                                                |                                                                                  |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Compliance                                                                     | EN 13279-1                                                                       |
| Type                                                                           | Lightweight gypsum building plaster<br>Notation B4/20/2<br>Manual gypsum plaster |
| Reaction to fire                                                               | Class A1, noncombustible                                                         |
| Thermal conductivity $\lambda_{23-50}$ (W/mK)                                  | 0.28                                                                             |
| Water absorption capacity                                                      | – (no requirement)                                                               |
| Gypsum binder content (%)                                                      | $\geq 50$                                                                        |
| Initial setting time (min)                                                     | $> 20$ (manual gypsum plaster)                                                   |
| Flexural strength (N/mm <sup>2</sup> )                                         | $\geq 1.0$                                                                       |
| Compressive strength (N/mm <sup>2</sup> )                                      | $\geq 2.0$                                                                       |
| Surface hardness (N/mm <sup>2</sup> )                                          | – (no requirement)                                                               |
| Adhesive strength (N/mm <sup>2</sup> )                                         | $> 0.1^a$                                                                        |
| Preparation and application iaw. <sup>b</sup>                                  | EN 13914-2                                                                       |
| Thickness <sup>c</sup><br>wall/ceiling/average/minimum <sup>d</sup> (mm)       | 5 – 35 / 5 – 15 / 10 / 5                                                         |
| Wet mortar yield (l/t), approx.                                                | 1,250                                                                            |
| Water requirement                                                              | 15 – 17 l (25 kg bag)                                                            |
| Consumption<br>by thickness (1 mm) (10 mm) (kg/m <sup>2</sup> ), approx.       | 0.8 / 8                                                                          |
| Yield<br>by thickness 10 mm (m <sup>2</sup> /bag) (m <sup>2</sup> /t), approx. | 3.125 / 125                                                                      |
| Setting time (h:min)                                                           | 1:40                                                                             |
| Surface                                                                        | Dressed / smoothed                                                               |
| Shelf life                                                                     | 6 months, dry on pallets                                                         |

**a** By fracture in interface gypsum/background; **b** EN 13914-2 Design, preparation and application of external rendering and internal plastering – Part 2: Internal plastering. Area of application: For all kinds of suitable backgrounds according to EN 13914-2, also in domestic kitchens and bathrooms; **c** For site-typical applications, deviations are possible; **d** Minimum plaster thickness limited at points.

**All values can deviate depending on background, ambient temperature and working conditions.**

# PRODUCT DATA SHEET

## Casonic® Fertig & Leicht

### Introduction

Casonic Fertig & Leicht is a gypsum building plaster with lightweight aggregates for manual processing in the production of single-layer, smoothed wall and ceiling plasters, especially for brickwork and concrete masonry. Can also be used in areas with standard humidity levels, e.g. domestic kitchens and bathrooms.

### Background preparation

Surfaces should be reasonably dry, clean and protected from the weather, and suitable for the chosen specification. Plaster should not be applied onto a background where any free water is visible. Some masonry backgrounds of exceptionally high suction may require pre-treatment with Casonic Aufbrennsperre (bonding agent by suction control). In-situ or pre-cast concrete which is exceptionally smooth will require pre-treatment with Casonic Betonkontakt (concrete bonding agent).

### Effect of temperature

Casonic Fertig & Leicht is not suitable for plastering onto frozen backgrounds. Site temperature must be maintained above 5 °C until thoroughly dry. It may be used under those conditions provided that, after plastering, the surfaces are adequately protected from freezing. Once fully set and dry, Casonic Fertig & Leicht is only suitable for situations where the temperature does not exceed 49 °C. Dry, bagged plaster is not affected by low temperatures. During the application of gypsum plasters in hot and/or dry conditions, care should be taken to ensure that rapid loss of water is avoided. Gypsum plasters require a proportion of the mixing water in order to set and achieve full strength. If the water is dried off too rapidly, the strength of the plaster will be impaired.

### Application

Add the contents of the bag (25 kg) to 15 – 17 liters of clean water, let it soak briefly and then mix into a homogenous substance. Setting time after adding plaster: 100 minutes (de-

pending on the rendering base). Apply with a trowel within 20 minutes of mixing, even it out and level the plastered surface with increasing stiffness. Then slightly wet the surface and sponge with the felt disc. Use a wide spatula to smooth the surface before it dries. Application is generally performed in one layer. Provide sufficient cross-ventilation after completion in order to extract excess moisture. Clean all containers and tools with water immediately after use.

### Tiling

If plastering to provide a background for tiles, avoid polishing the surface. Polished plaster surfaces should be roughened and a suitable primer used.

### Storage

Bags should be stored dry, as absorption of water shortens the setting time, causes set lumps to form in the bags and may reduce the strength of the set plasterwork. If storing on a concrete floor, dry timber platforms should be provided.

### Information on ingredients

General composition: Calcium sulphate hemihydrate. Natural constituents may include clay, limestone and minor amounts of quartz. Additives may include minor amounts (less than 1%) of hydrated lime. Also contains perlite aggregate.

### Hazards identification

Plaster may form an alkaline solution on contact with body moistures or when mixed with water. Dust from mixing and sanding may irritate the respiratory, skin and eyes. Note Casonic Safety Data Sheet.