

## FIBRE CEMENT SHEET PRODUCTION PLANT

### Fibre Cement Sheets in today's Market Place

Fibre cement – especially flat sheets – are used for standard and innovative architectural solutions in a large variety of different applications.

1. Façades
2. Interior construction = dry walls
3. Interior construction = architectural design
4. Floors
5. Fences
6. Roofing



Dry walls on metal studs



Easy installation of fibre cement façades

### Features

Fibre cement sheets are a world wide used environmentally friendly cementitious building material.

Fibre cement is water resistant, fire proof, flexible, can be nailed or drilled and is long lasting.

Fibre cement sheets are produced as

- large size sheets up to 2,5 (3,0) x 1,25 m (6 – 12 mm thick)
- sidings up to 3,6 m long x approx. 200 mm wide (8 – 10 mm thick)
- small size slates for roofing (4 – 6 mm thick)

### Raw Materials

Fibre cement consists of natural and/or man made fibres embedded in a cement based matrix.

- cellulose or synthetic fibres for reinforcement
- cement
- silica sand (when autoclaving)
- water

### Façades

Façade sheets are a durable alternative to stucco and

- can be applied even during heavy frost when stucco cannot be applied
- can cover and protect exterior wall insulation
- are used for exterior wall cladding of cottages and townhouses, beautiful (naturally looking) wood grain planks (sidings) and provide architectural beauty

For the surface treatment of fibre cement, many options and colours are applicable.

## BUILDING WITH FIBRE CEMENT SHEETS



Weather proof fencing



Home with fibre cement sidings

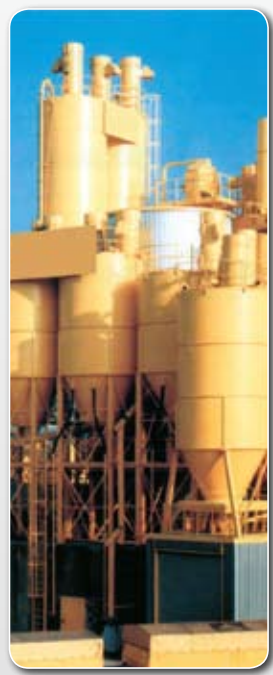


Wood grain siding



Architectural beauty with weather proof fibre cement sheets

## DRY MIX MORTAR PRODUCTION PLANT (for Glue Plaster and Stucco)



### What is Dry Mix Mortar?

- Dry mortar is a well-mixed blend of various raw materials and is supplied as a ready mix in bags or in bulk, ready to be stored and to be used at site.
- Stringent regulations to control and guarantee consistent quality of mortar have encouraged contractors in Europe not to rely on „home-made“ mortar.

### What are the benefits of Dry Mix Mortar?

- The easiest and safest way to ensure consistently high quality is a pre-fabricated dry mix mortar.
- Quality variations due to variations of raw materials or poor on job-site mixing can be excluded and consequently cannot be contributed to the contractor. The quality is controlled by the mortar producer and guaranteed by a sophisticated dry mortar mixing plant.
- Only dry mix mortar plants can fulfill the increased demand of dry mortar in Europe. The use of prefabricated dry mortar on site keeps the contractor competitive. On-site mixing has practically disappeared.
- The same tendency is predicted worldwide over the next years as due to some recent construction disasters the demand for quality construction is expected to rise rapidly.

### How to apply Dry Mix Mortar

- Dry mortar is simply mixed with water on the job-site. Application both, manually or automatically with rendering/plastering machines is possible.
- Masons appreciate the consistent quality of bagged dry mortar giving always the same application conditions.

### WEHRHAHN supplies

WEHRHAHN has developed dry mortar plants suitable for practically all demands, such as:

- dry mix mortar and glue for aerated concrete blocks
- skim coat for aerated concrete blocks
- render/stucco and plaster for internal or external walls
- decorative stucco
- self-levelling floor screed for easy and accurate floor making
- adhesive for wall tiles

### Capacities of Dry Mix Mortar Production plants for Glue, Plaster and Stucco

- **Standard Plant:** Capacity 10 – 50 t/h
- **Mini Plant:** Capacity 3 – 5 t/h

### Production Know-how and Mix Formula

The mix formulae can individually be developed in cooperation with a worldwide leading dry mortar producer.

### Typical Raw Materials

- dried sand or alternatively limestone powder
- AAC hard scrap
- cement
- hydrated lime
- various additives depending on the application to get the mortar easier to use and to get a better quality

Dry mix mortar is for the wall  
builder what ready-mix concrete  
is for the concrete user.

– the best value –