

# *DUROSTONE*

*Know-how brochure*

*How to make a concrete industrial floor with  
dry-shake hardener*



# *DUROSTONE*

## *Key elements to make a good floor and maintenance instructions*

### **General conditions**

- ❑ Quality of the concrete: minimum C 20
- ❑ Building site: should be entirely closed
- ❑ Minimal temperature: +5 °C

### **Loading restrictions in the first 28 days:**

- ❑ 0-2 days: no traffic is allowed
- ❑ 3-5 days: passengers' traffic is allowed
- ❑ 6-13 days: 25 % of the maximum load is allowed
- ❑ 14-21 days: 50 % of the maximum load is allowed
- ❑ 22-28 days: 75 % of the maximum load is allowed
- ❑ after 28 days: No loading restriction

### **Maintenance**

- ❑ Daily maintenance: Only PH neutral cleaning material can be used. When using a cleaning machine only non- abrasive cleaning pads can be used.
- ❑ Periodic maintenance: Because of deficiency of daily maintenance, a deep cleaning of the floor could be necessary 1 or 2 times per year. This work should be made by a specialized company.

# ***PREPARATION WORKS***

## **Dense bedding**



**Protection foil on the wall and  
polifoam band at the edges of  
the slab**

# PREPARATION WORKS

## Supplementary iron reinforcement around coloumns



## Placing and levelling of iron joints



# CONCRETE POURING

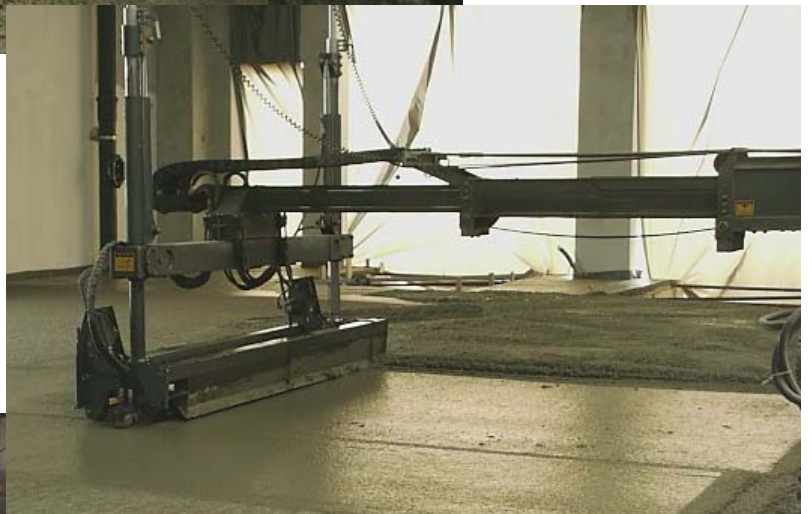
Pouring of concrete directly from the mixer...



... or through a pump

# CONCRETE LEVELLING

Concrete levelling with the help of Laser Screed...

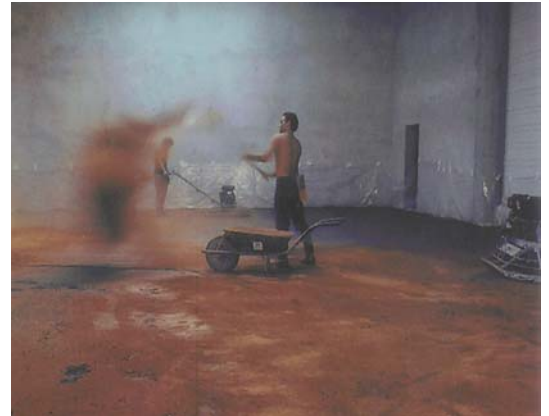


... or by hand



# ***SPREADING OF THE HARDENER***

**By hand or by shovel; to have a thicker layer by mixing the hardener with water**



# ***SPREADING OF THE HARDENER***

By a spreader machine



# ***SURFACE FINISHING***

On the fresh, smooth surface with a walk-behind „helicopter”



At the edges with „mosquito” or by hand



# ***SURFACE FINISHING***

... and later with double-disk finishing machine



## ***WORKS TO BE DONE AFTER FINISHING***

**Spraying the curing agent to assure a perfect hydration of the slab**



**Controlling the level of the surface**



# ***WORKS TO BE DONE AFTER FINISHING***

**Cutting the saw-cuts and filling them with PVC profile**



## ***FLOORS READY TO USE***



***Grundfos***



***ProLogis***



***Suzuki***

## FLOORS IN USE

*Metro*



*Porsche*

*Wolf*

