

# MEACRET LINE

LONG LASTING AND EFFICIENT



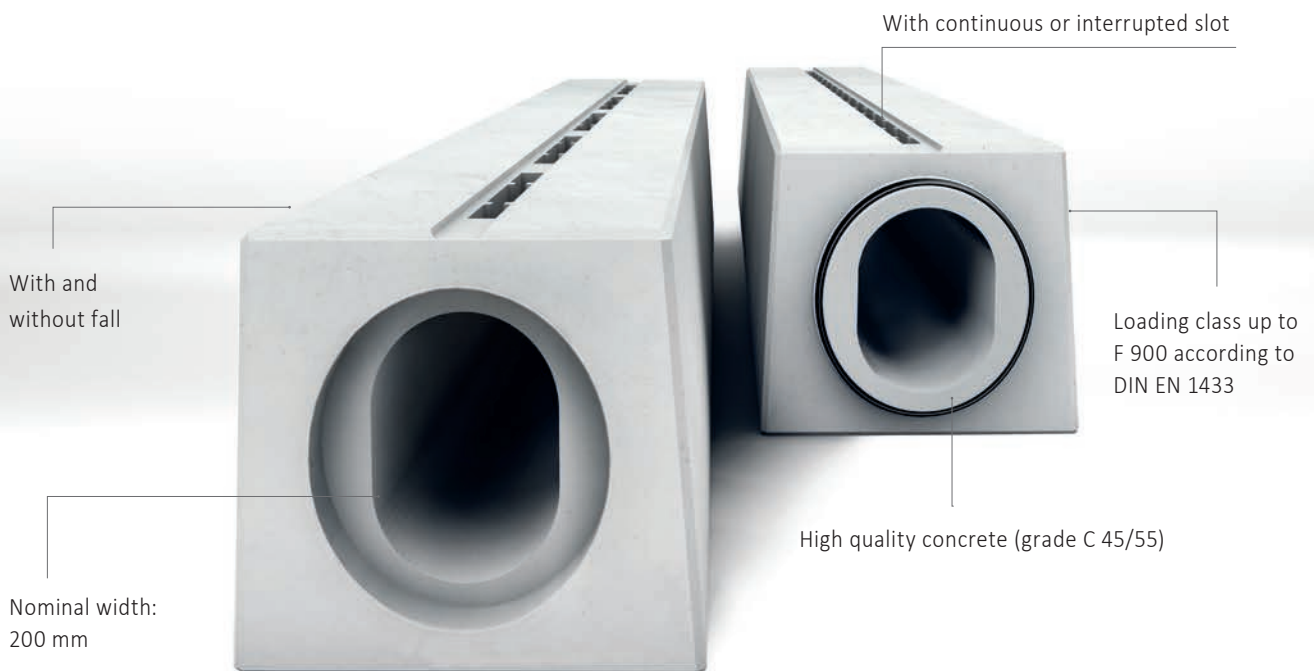
**SLOTTED DRAINAGE SYSTEM MADE OF CONCRETE**

ROBUST, DURABLE, COST-EFFICIENT, SAFE



# MEACRET LINE 200

RELIABLE AND EFFICIENT



# MEACRET LINE 200

## BENEFITS FOR PLANNERS AND USER

MEACRET LINE 200 is a particularly robust drainage system made of high quality concrete (grade C45/55). It has been designed to withstand the highest loads and the most severe weather events. The drainage channel is ideal for installation in areas such as:

- > roads and highways
- > tunnels
- > industrial areas and ports
- > container terminals

The MEACRET LINE is a type I (i) channel in accordance to DIN 1433. This means the channel does not need an additional concrete encasement. The channels are available in standard lengths from 1 m to 4 m. MEACRET LINE 200 slotted channels are available with continuous or interrupted slot as well as with or without fall. MEACRET LINE 200 is also available as a curb channel.

- > Loading class up to E 600 / F 900 according to DIN EN 1433
- > Can be paved directly
- > No moving parts: silent
- > Standard lengths: 1 m, 2 m, 3 m, 4 m; Intermediate lengths on demand
- > Flexible: Also available as a curb channel with bord heights of 7, 12, 15 and 18 cm

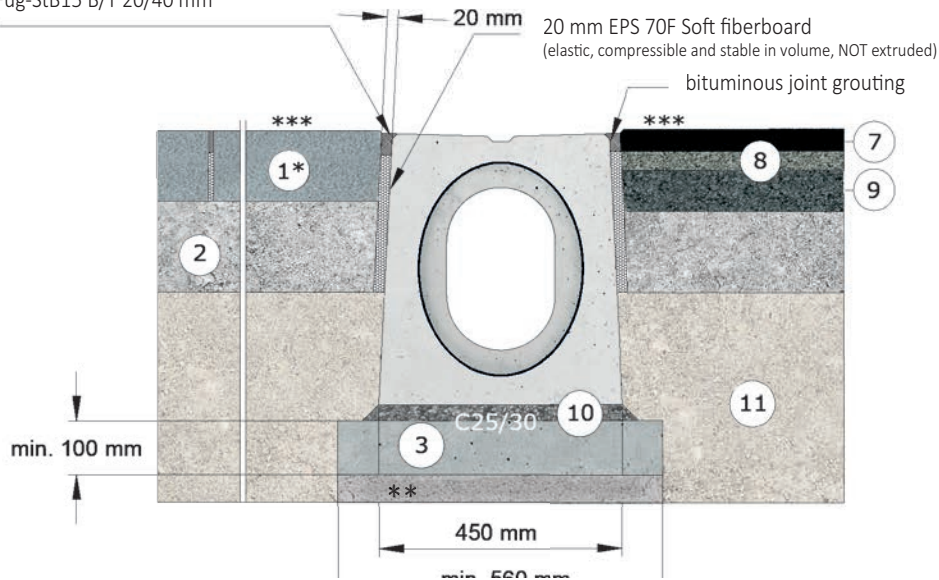


# MEACRET LINE 200 INSTALLATION

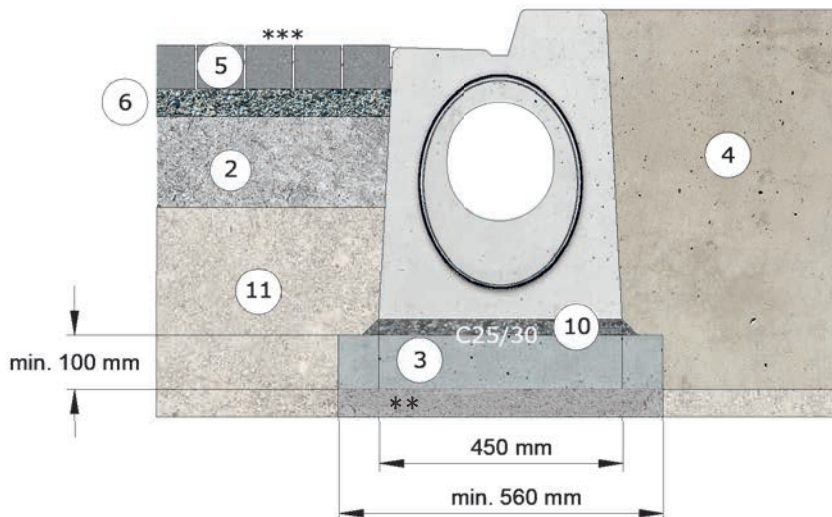
## INSTRUCTION LOADING CLASS D 400 /E 600 /F 900

### ACCORDING TO DIN EN 1433

Joint sealant type N2 according to ZTV  
Fug-StB15 B/T 20/40 mm



Plan expansion joint in paving slab



- ① Pavement concrete
- ② Base layer according to RstO
- ③ Concrete foundation
- ④ Grown soil
- ⑤ Pavement
- ⑥ Pavement bed
- ⑦ Bituminous top layer
- ⑧ Binder layer
- ⑨ Bituminous base layer
- ⑩ Mortar bed
- ⑪ Base layer according to RstO

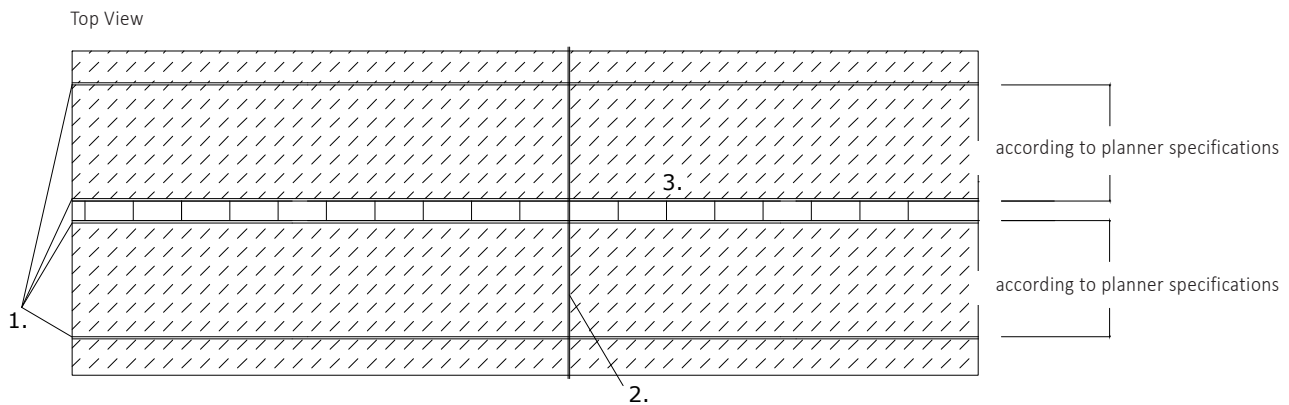
\*Reinforcement and exposure classes as specified by the responsible designer.

\*\*Substrate compacted to at least 45 MPa

\*\*\*Drainage of surfaces subject to high dynamic loads, e.g. cross drainage of expressways, highways and railroad crossings after consultation with our application engineering department. Revision elements and silt boxes must always be placed outside dynamically loaded areas.

Settlement-free, frost-proof base layer are to be installed according to RstO.

## THREAD JOINTS



If there are no other specifications from the planning side, we recommend to stick to the thread joint as shown in the drawing.

1. Expansion joints
2. The decision upon the expansion joints in the concrete pavement is the exclusive responsibility of the designer in charge of the project or the local site management.
3. The gap that occurs at the joint when placing the channel, due to the use of the sealing rubber, is to be filled with joint sealant type N2 according to ZTV Fug-StB15.

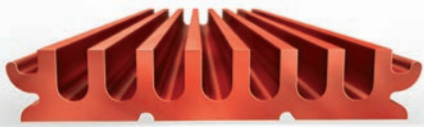
The requirements of the concrete with regard to durability against environmental influences must generally be specified by the planner by defining the corresponding exposure class.

For instance: exposure class for pavement concrete for cross drainage of expressways and highways-C30/37 (LP), XF4, XM2 (source: Cement Data Sheet Concrete Technology B9 3.2006, [www.beton.org](http://www.beton.org)).

Our installation instructions are generally valid suggestions. Special requirements for channel installation due to local conditions, are to be determined by the planning side. The manufacturer's instructions for the product selection must be observed. This edition of the MEA Installation Guidelines is valid from today until a revised version is published and replaces earlier publications. The occupational health and safety regulations according to OSH Act must be observed!



# THE ADDITIONAL PRODUCT PORTFOLIO OF MEA WATER MANAGEMENT



**MEARIN PG EVO**

Drainage solution for multi-storey car parks



**MEATEC**

Professional drainage system for facades and terraces



**MEARIN**

Professional lightweight drainage system made of GRP



**MEADRAIN TRAFFIC**

Professional drainage systems for streets and motorways



**BUILDING SUCCESS**

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Business unit MEA Water Management