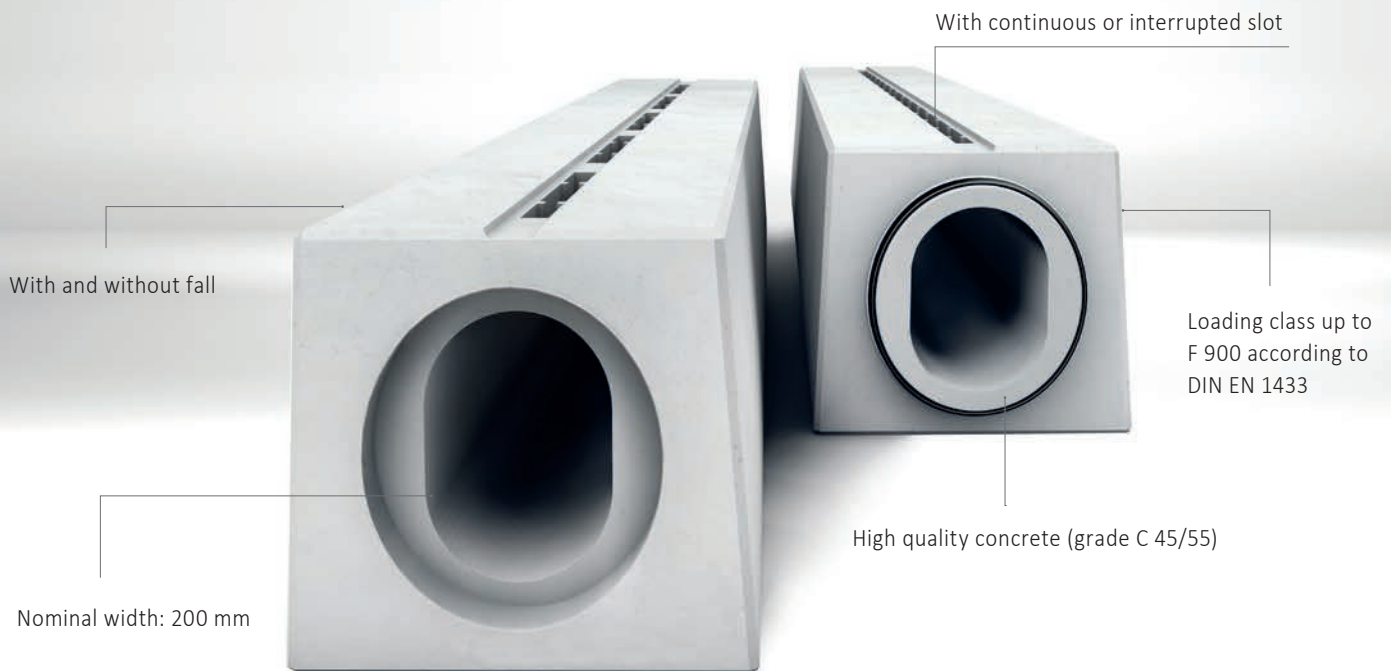


# IMEACRET

LONG LASTING AND EFFICIENT



**SLOTTED DRAINAGE SYSTEM MADE OF CONCRETE**  
ROBUST, DURABLE, COST-EFFICIENT, SAFE



## MEACRET LINE 200

### RELIABLE AND EFFICIENT

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

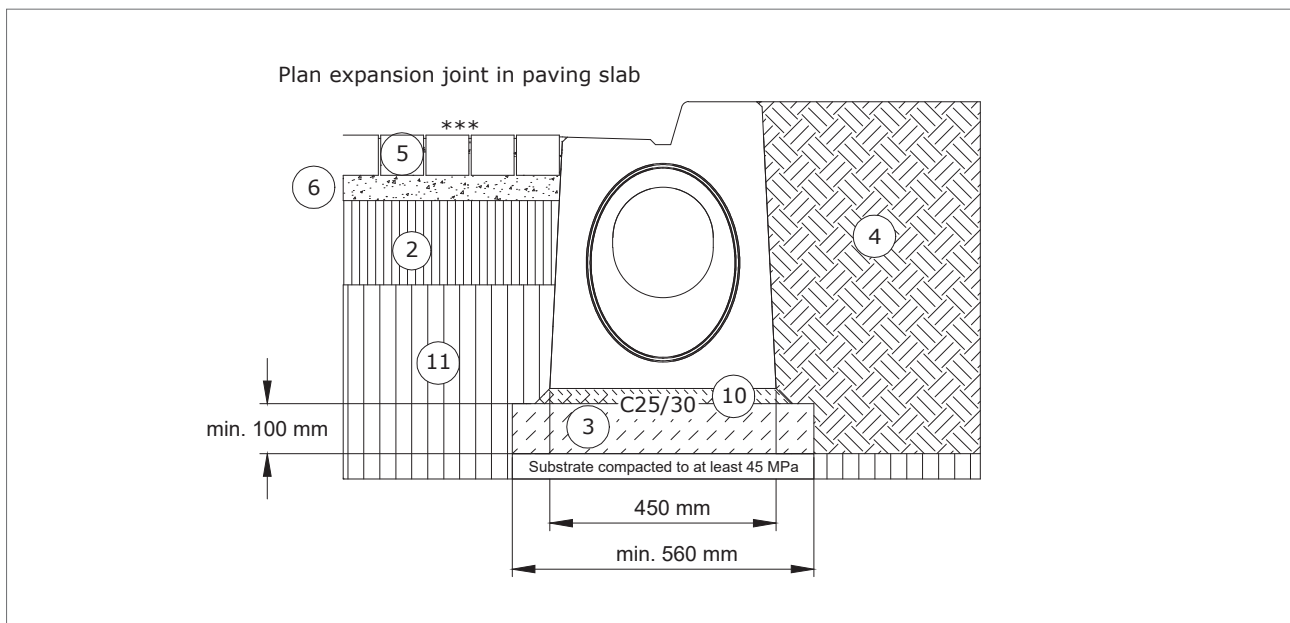
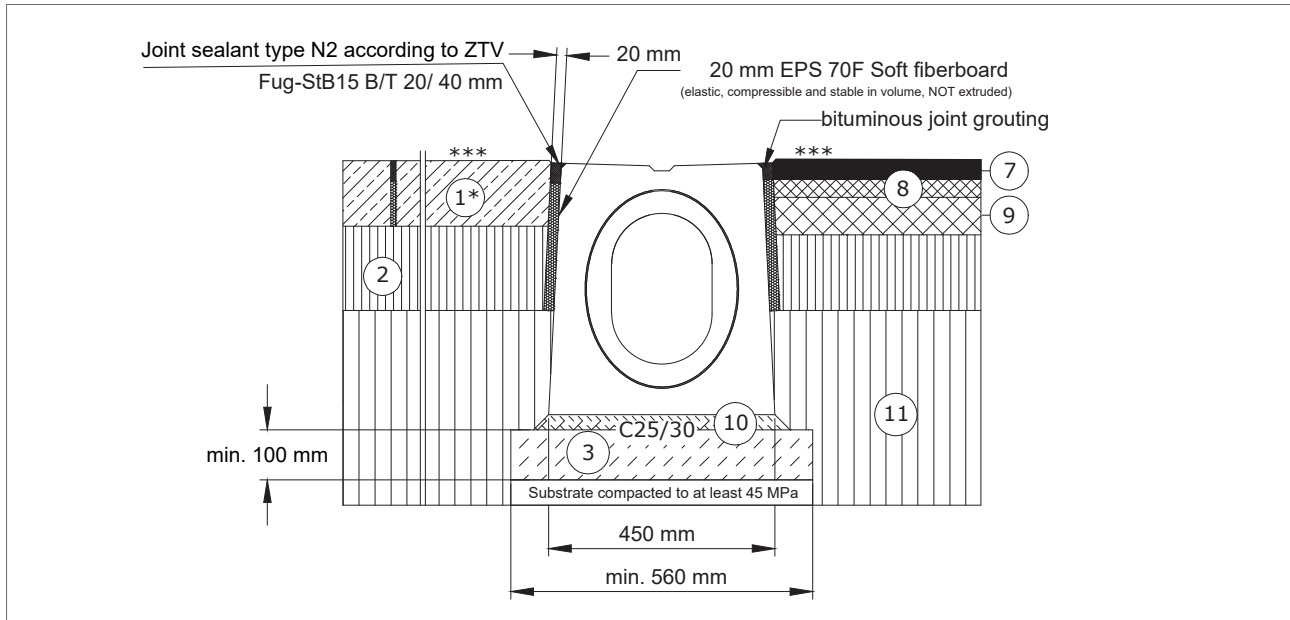
## BENEFITS FOR PLANNERS AND USER



# IMEACRET LINE 200 INSTALLATION

## INSTRUCTION LOADING CLASS D 400 / E 600

### ACCORDING TO DIN EN 1433



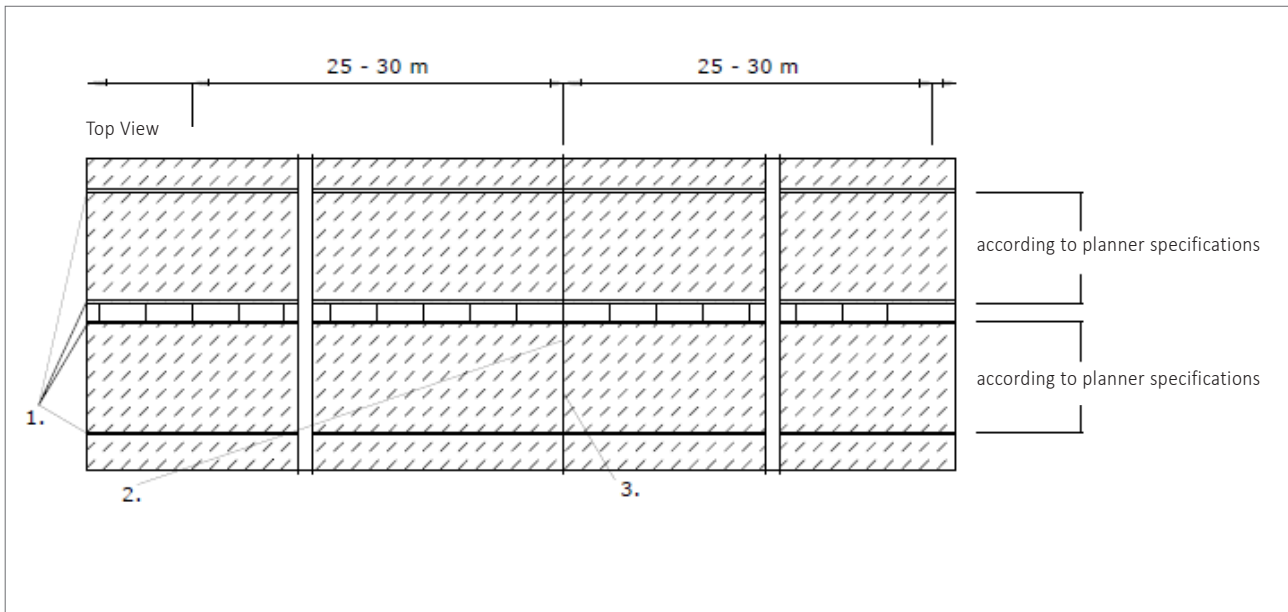
- |                                |                        |                                |
|--------------------------------|------------------------|--------------------------------|
| ① Pavement concrete            | ⑤ Pavement             | ⑨ Bituminous base layer        |
| ② Base layer according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

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

\*\*\*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. Expansion joints perpendicular to the channel line in the concrete casing MEA recommendation for Central Europe: spacing of expansion joints across the channel 25 m to 30 m. In countries with extreme climatic conditions, the specifications of the responsible planner needs to be respected.

3. 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.

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!



**BUILDING SUCCESS**

MEA Bautechnik GmbH ■ Sudetenstraße 1 ■ D-86551 Aichach ■ [www.mea-group.com](http://www.mea-group.com)  
Business unit MEA Water Management