

## Information on the placement of RSS Flüssigboden® in winter conditions

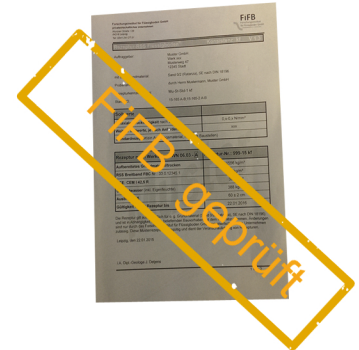
At temperatures permanently lower than  $-5^{\circ}\text{C}$ , the following instructions should be observed:

### Production and placement

- At temperatures below  $-5^{\circ}\text{C}$ , winter mix designs must be used.
- The mixing water must be preheated, but it should not be warmer than  $50^{\circ}\text{C}$ .
- If possible, the drum of the truck mixer can be preheated, eg by exhaust gases of the truck mixer that are passed into the drum.
- The source materials can be preheated eg by exposing it to warm steam.
- All water-bearing parts must be protected against frost.
- At daily average temperatures of permanently  $>0^{\circ}\text{C}$ , winter mix designs should no longer be used.

### Placement

- The trench to be backfilled should remain open for as short a time as possible. Ideally, open the trench only on the day of backfilling.
- Cover the placed RSS Flüssigboden® immediately with a geotextile as a separating layer between RSS Flüssigboden® and the material for the road substructure.
- Start to place an antifreeze layer of crushed stone as soon as possible, for example, 20-30 minutes after placing the RSS Flüssigboden®. Due to the still active temporary thixotropy, at temperatures below  $-5^{\circ}\text{C}$ , and with the layers separated, and the RSS Flüssigboden® covered, the gravel layer should not be compacted immediately but at the earliest after one day.
- Deviations from these time specifications in the form of technologically relevant requirements must be agreed with us.

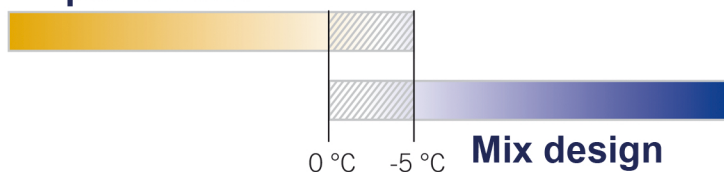


### Advantages

- Extended construction season when taking into account all measures for placement in winter
- Ensuring functionality in winter



### Mix design for summer placement



### Mix design for winter placement

FiFB Forschungsinstitut  
für Flüssigboden GmbH  
Wurzner Straße 139  
D-04318 Leipzig

Tel +49(0)341-24469-21  
Fax +49(0)3423-72424-74  
E-Mail j.detjens@fi-fb.de  
Internet www.fi-fb.de