

Construction



## Excellence in Semi-dry Concrete Technology

**Sika**®

# Excellence in Semi-dry Concrete Technology



## Gain Value with Sika® Solutions for your Semi-dry Precast Concrete

The properties of **SikaPaver®** technology are of considerable benefit to semi-dry concrete producers, specifiers and the final clients. In many countries throughout the world, **SikaPaver®** technology has helped to optimize both cost and technical aspects of semi-dry concrete production in compliance to demands of customers and standards.

Increasing the Performance of your Concreting Process will make your Concrete more cost-efficient with the following additional Benefits:

- Cost-effective mix design (cement reduction)
- Faster production with increased output
- Reduced wear and tear of mould and equipment
- Fewer rejects, second grade products and claims
- Reduced tendency of efflorescence
- Brilliant colours
- Improved durability

## Take Advantage of the unique SikaPaver® Technology for your Semi-dry Concrete

Semi-dry concrete is state of the art for many different applications all over the world: paving stones, blocks, pipes, segmental retaining walls... Its main advantage is the ability to keep its shape directly after compaction and instant demoulding. To achieve the desired appearance of the surfaces and meet the demands of the different standards, the optimized design of a suitable concrete with the locally available raw materials is essential.

With the use of **SikaPaver®** technology it is possible to minimize everyday variations of the raw materials, achieve a sufficient compaction of the semi-dry concrete and gain the desired uniform appearance of the final products.

**SikaPaver®** products improve the:

- Homogeneous filling of the moulds, even into narrow shapes
- Compactability of semi-dry concrete
- Dispersion of colour pigments in the concrete
- Formation of cement paste on the flanks
- Green strength directly after compaction
- Uniform surface texture and product shape
- Early strength after initial curing
- Average ultimate strength and reduce its variation

**SikaPaver®** AE types reduce capillary water absorption which will increase:

- Resistance against efflorescence
- Hydrophobic protection against moss
- Frost and freeze/thaw resistance

Sika has been offering innovative solutions to the semi-dry concrete producers for decades. Our global experience, combined with know-how exchange and training, can offer you substantial advantages for your semi-dry concrete production.

### Design and Planning

### Concreting

**Frost and Freeze/Thaw Resistance**

Improved durability creates reliability.

**Strength/Variation**

Reduced variation and increased strength lead to a more consistent quality and enable to reduce cement content.

**Excellent Compactability**

A more intensely compacted semi-dry concrete will lead to improved durability, less efflorescence and reduced claims.

**Smooth Finish**

Especially in pipe production, a smooth and tight surface finish reduces repairs.

**Quick and homogeneous Filling**

Consistently filled moulds avoid defects in the freshly compacted product.

**Fast Production**

Increased production efficiency allows higher output and enables production on demand.



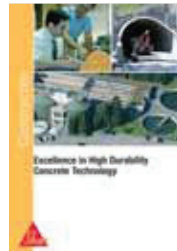
Unique Advantages with Sika® ViscoCrete® Technology

# Close to your Business in any Part of the World



Sika is a globally active company in the speciality and construction chemicals business. It has subsidiary manufacturing, sales and technical support facilities in over 70 countries around the world. Sika is THE global market and technology leader in waterproofing, sealing, bonding, dampening, strengthening and the protection of buildings and civil engineering structures. Sika has more than 10'000 employees worldwide and is therefore ideally positioned to support the success of its customers.

## Also available from Sika



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