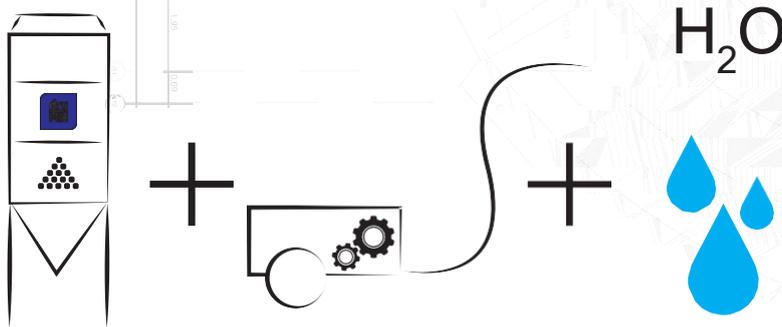




## TECHNICAL DATA SHEET

# PRODUCT LINE SPRAYED CONCRETE dryMIXSC (spray concrete)

Prefabricated dry mix based on mineral binders and a selected aggregate grain size curve for stabilization (of slopes, portals and construction pits) implemented using the sprayed concrete technology in a "dry" manner, i.e. mixing water is added in the mixing armature of the spray nozzle.



### **Possible uses:**

- Underpinning and reprofiling of concrete structures
- Nailed slopes (portal, construction pits, etc.)
- Civil engineering structures (tunnels, mining structures) as primary lining of shotcrete

### **Advantages:**

- Fast progress thanks to strength development
- Stable and proven formula depending on the requirement for the development of the strength of "young concrete"
- Comprehensive service, logistics including rental of construction silos
- Low costs for setting up a construction site
- Storage in mobile silos: min. 4 weeks
- Construction support, silo, Sika Aliva with accessories, production control tests

**Processing:**

The dryMIXSC product is stored on site in mobile silos from where it is pressed by air in transport hoses or pipes to the mixing armature, where mixing water is added. The resulting product "sprayed concrete" is characterized by a rapid increase in strength according to the curves J1, J2 or J3. According to the required initial increases in strength, 28-day strengths are achieved (J1 - C20/25, J2 - C25/30 or J3 - C30/37) If drinking water is not used for mixing, it is recommended to perform a chemical analysis of the water!

**Technical data (TAB):**

Concrete grade	C20/25	C25/30	C25/30	
Initial strength gain	krivka J1	krivka J2	krivka J3	
Bulk density (kg/m <sup>3</sup> )	~ 1880	~ 1880	~ 1880	
Grain size Dmax (mm)	8	8	8	
Consumption (kg/m <sup>2</sup> /10 cm thickness):	250-280 *	250-280 *	250-280 *	
Designation according to STN EN 14487-1: SB - C 25/30-J(1,2,3)-XC3(SK)-Cl 0.4- Dmax8				
* depending on the length of the dry mixture transport to the nozzle				

At temperatures below +5 °C, it is necessary to ensure heating of the mixing water depending on the length of the transport pipeline.

**Our services:**

- active support in project acquisition
- design and optimization of the recipe according to the contractor's specifications
- production control tests, samples taken directly on site "in site"
- rental of mobile construction sites
- comprehensive service, logistics
- cooperation with accredited testing laboratories

**Delivery form:**

- The dryMIXSC product is transported in bulk in tanker trucks of approximately 27 tons and is pumped into the silo directly on site. The condition is always a passable road for tanker trucks!
- Take advantage of our technical experience gained on specific construction sites using these products!
- We are happy to optimize our products with regard to your construction requirements.

We look forward to working with you!