ARCTIC ADDMIX

EN

TECHNICAL DATASHEET

TDS

Updated: 22.01.2021

ARCTIC ADDMIX	
Packaging size	500g
Color	White
TECHNICAL INFORMATION	
Ingredients	Mixture of inorganic salts
State	Powder
PH-Value	ca. 6
Chloride-content	< 0,01 % (does not damage steel rods use in casts)
Frost durability lowest	-15°C
Dosage	2 - 4 % of cement's content of the mortar. Contents of Arctic Addmix can be divided
Loadbearing classes recommended	X0, XC1, XC2, XC3
Storage	In cool and dry place, with good ventilation. Not with flammable and organic materials. See MSDS for more info.

PROPERTIES

Additive for concrete or masonry prepared in construction sites. Product makes sure the concrete mass to cure in cold conditions.

APPLICATION AREA

Accelerates curing of cement at low temperatures. Curing continues down to -15 °C. Compatible with

Continues on the next page...

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all Portland-cements. When using the additive for concrete, the curing continues and strength of the concrete develops in -15 °C frost without heating. Check the cement content of the prepared mortar, recommendation is >20 %. Calculation is made from the dry weight.

INSTRUCTION OF USE

DOSAGE

2 - 4 % of the weight of the cement, when air temperature is +5 °C... -15 °C. Content can divide of the packaging (you can use e.g. 200g and close it for re-use).

DOSAGE EXAMPLE			
Tye	Amount	Temperature	Arctic Addmix
S30 / S100	75kg	+5 °C ... -15 °C	500g

TESTED MORTAR TYPES

Workability has been tested with S30 cement mortar and with S100 masonry mortar. 100 kg of dry mortar gives ca. 50 liters of wet mortar. Usage with other types and any special mortars: preliminary tests must always be performed and confirm the curing. This is due to the high amount of different products and manufacturers of mortars, which content we cannot be sure of.

STRESS CLASSIFICATIONS

RK Arctic Addmix can be used in classes X0, XC1, XC2, XC3. Use is not recommended without separate testing in class XF1.

USAGE

In dry concrete and in mortars used in construction sites: 500 g of Arctic Addmix is mixed to prepared mortar mass. You can also mix it into water to be used, but then the salts must be fully diluted before the water is added. Mixing time in concrete mixer minimum of 5 minutes after adding the product. Temperature of the mass must be +20 °C ±5 °C. Too much water weakens the effect of Arctic Addmix. Ratio between water and cement has to be always <0,5.

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