

Sika Fly Ash® Concrete Additive

Product Description	Sika Fly Ash® is a concrete additive of a new generation in fine powder form and spherical particles which reduces the water requirements and creates a lubricating effect that causes concrete to flow and pump better. In addition the concrete is more cohesive and is less prone to segregation
Uses	Sika Fly Ash® is used in structural concrete, precast concrete and other fields of concrete constructions where high demands are imposed on the quality of fresh and hardened concrete such as : <ol style="list-style-type: none"> 1- High- rise structures. 2- Dams and roads. 3- Power stations. 4- Bridges and tunnels.
Advantages	Sika Fly Ash® contains extremely fine latently reactive silica presence of this substance imparts greatly improved internal cohesion and water retention. When additionally using Sikament® super plasticizer, the concrete will show the following properties: <ul style="list-style-type: none"> ■ Excellent workability ■ Increased durability ■ High early strengths ■ Increased ultimate strengths ■ Increased resistance to abrasion ■ Highly increased water tightness ■ Highly reduced chloride diffusion ■ Easy to work and economic benefits ■ Chloride free - does not attack any reinforcement
Technical Data	
Composition	Alumina silicate pozzolan
Appearance / Colour	Grey- fine powder / odourless
Specific Gravity	Typically 2.2
Packaging	25 kg bags Special packs and bulk silo deliveries also available on request.
Storage	Sika Fly Ash® is not affected by frost. It must be stored in dry conditions.
Shelf life	12 months from date of production if stored properly in original unopened packing.
Application	
Dosage	25 - 35 % by weight of cement. For optimum results in concrete, always use in conjunction with Sikament® super plasticizer.
Mixing	Sika Fly Ash® is added with the cement to the concrete at the batching plant before the gauging water. Optimum mixing time 90-seconds. The quantity of water should be adjusted to suit the dosage of Sika Fly Ash®, Sikament® and the final consistency required.
Important Note	Sika Fly Ash® concrete should be handled and placed in the same way as conventional mixes. Standard good concrete practice should be observed throughout, and proper curing procedures should be initiated immediately after placement.



Construction

Safety Instructions

Safety Precautions

Wear a face mask against dust if there is heavy dust development.
Accidental splashes to the skin must be washed off with water and soap.
Accidental splashes to the eyes or mucous membrane must be rinsed with clean warm water. Seek medical attention without delay.

Ecology

Residues of material must be removed according to local regulations.
Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.

Transport

Non-hazardous

Toxicity

Non-Toxic under relevant health and safety codes.

Legal notes

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



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