

VELOSIT® HA 951

Air Entraining and Water Repelling Admixture for Plasters and Mortars

Application fields

VELOSIT HA 951 is a liquid admixture for the modification of plasters, mortars and concrete mixes. Typical application fields besides others are as follows:

- Job site plaster and mortar mixes
- Adhesion promoter for mortars, plasters and concrete
- Waterproofing for mortar mixes
- Efflorescence reducer
- Admixture for paver stone production

Properties

VELOSIT HA 951 is a concentrated cement stable air entraining agent.

VELOSIT HA 951 surpasses the requirements for EN 934-2:T.5

VELOSIT HA 951 is added to the mixing water.

- High yield
- Improved workability
- Reduction of cracking tendency
- Hydrophobic
- Very good cement compatibility
- Reduction of water absorption
- Plasticizing
- Reduced shrinkage
- Improved shrinkage behavior
- Improved water retention

Application

VELOSIT HA 951 is suitable for cement based mortars and plasters.

VELOSIT HA 951 is diluted with water in the required amount. The concentration determines the achievable properties. The dosage is 0.2 – 0.5 % based on cement content. Depending on the water/cement ratio the product is added at a 1:80 to 1:200 dilution to the mixing water. This mix is then blended with suitable sand, aggregate and cement. VELOSIT HA 951 entrains air into the mix. The mixing

intensity determines beside the dosage height the amount of air entrainment. Overdosage may lead to segregation and strength loss.

Typical plaster formulation:

CEM I/II:	50 kg
Sand/Aggregate:	150 kg
Water:	30 l
VELOSIT HA 951:	0.12 l

Curing

Cure VELOSIT HA 951 modified plasters according to the relevant standards.

Estimating

0.2 – 0.5 % of binder content.

Plaster: approx. 1 g per m² and mm thickness

Mortar: approx.. 2 kg pro m³

Cleaning

VELOSIT HA 951 modified mortars can be removed in the fresh state with water. Once it has cured only mechanical cleaning is possible.

Quality features

Color:	green
Density:	1.04 kg/l
Air entrainment*:	17 %

*Plaster formulation

Packaging

VELOSIT HA 951 is available in 10 kg (22 lb.) or 25 kg (55 lb.) jugs.

Storage

VELOSIT HA 951 can be stored in unopened original packs for 12 months at 5 – 25 °C (40 – 77 °F) in a dry storage place protected against sunlight. Higher storage temperatures reduce the shelf life.

Safety

Please observe the actual valid material safety data sheet and follow the described safety measures for handling of the product.

Recommendations

VELOSIT HA 951 is only available for professional applicators.

All described product features are determined under controlled laboratory conditions according to the relevant international standards. Values determined under job site conditions may deviate from the stated values.

Please always use the latest version of this data sheet available from our website www.velosit.de.

Manufacturer

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