

Centrament Air AEA

(Formerly known as MC-Miscoel AEA)

Mortar Plasticizer And Air Entraining Agent



Product Properties

- Increases plasticity, air entrainment and prolonged workability
- Improves resistance to weathering and frost actions
- Provides excellent water retention
- Improves the bonding properties
- Reduces the segregation and bleeding tendencies of the mortar
- Minimizes shrinkage, cracking and crazing in screeds or renders
- Reduces water absorption and penetration
- Reduces/ eliminates the need for lime in the mix (cost saving)
- Improves resistance to moisture ingress
- Improves imperviousness and resistance to aggressive industrial influences
- Reduces the possibility of lime bloom and efflorescence
- Reduces dropping and wastage of the mortar (cost saving)
- Provides durable and improved finishes
- Easier spreading/application
- Reduces the amount of mixing water thereby reduces the shrinkage
- Makes very economical plasters and mortars (less material, less rebound and wastage)

Areas of Application

- As admixture in all mortars, wherever more workability, waterproofing, easy spreadability and cost saving is required
- Mortars for Brickwork and Block work
- Mortars for Rendering for internal & external surfaces
- Mortars for Plastering work
- Mortars for Pointing and Patching work
- Mortars for rough cast concrete or pebbledash
- Screeds

Application Notes

General

Centrament Air AEA is a mortar plasticizing and air-entraining agent designed to give controlled plasticity and air entrainment to different types of mortars. It does not contain chlorides and can be mixed with all types of mortars used for brick laying rendering, screeds, patching and pointing etc. It improves the workability and aids in homogeneity of mix. **Centrament Air AEA** increases the covering capacity of the mortar mixes thereby increasing the productivity.

The amount of **Centrament Air AEA** to be added depends on the characteristics of the mortar together with the degree of plasticity required. The suitable and optimum dosage level is best determined by on-site trials in actual use conditions. As a guide to these trials and in most circumstances we recommend 0.15 – 0.3 % by cement weight. Advice and assistance is available from our experienced engineers.

Centrament Air AEA entrains air in the mortar mix in the form of evenly spaced microscopic air bubbles throughout the matrix. This entrained air improves the workability and prevents premature stiffening thereby avoiding the need of repeated mixing and enhances the resilience and water retaining capacity. In hardened mortars these evenly distributed bubbles provide a cushioning effect against thermal fluctuations, thereby minimizing cracking and crazing in the screeds or renders. The capillaries are made discontinuous by the formation bubbles providing a higher degree of imperviousness and resistance to aggressive influences.

Centrament Air AEA works out very economical taking into consideration the cost savings and provides a number of outstanding advantages.

Instructions for Use

Centrament Air AEA is supplied in ready-to-use form and should either be premixed with gauging water or added direct to the mix at the same time as the water.

Further Instructions / Precautions

Air Entrainment in Mortar and Easy Application



Centrament Air AEA Admixed Mortar



Technical Data For Centrament Air AEA

Characteristic	Unit	Value	Comments
Minimum application temperature	° C	20° C	
Mixing ratio	% by weight of cement	0.25% to 0.40%	Depending upon application

Product Characteristics for Centrament Air AEA

Type of Product	Mortar Plasticizer and Air Entraining Agent
Form	Liquid
Colour	Pale Yellow
Shelf Life	12 Months from date of Manufacture
Delivery	250 Kg drums and 30 Kg containers
Storage	In Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
Disposal	Empty packs completely and dispose off carefully to protect our Environment

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees, which may differ from the data contained in our information sheets, are only binding if given in written form. The accepted engineering rules must be observed at all times. E. & O.E.

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