Dispersing Aluminas

Our Dispersing Aluminas fulfill two main functions in castables:

1. Full dispersion of the castable for reduced water demand and optimized flow properties
2. Adjustment of flow and setting times according to specific placement requirements and climatic conditions

There are two different product lines of Dispersing Aluminas available for individual castable concepts:

ADS 1, ADS 3 and ADW 1 for high performance silica-free castables using Tabular Alumina fines and Spinel fines, Reactive Aluminas, CA-270 or CA-14 W, M or S cement in the matrix

- **ADS 1:** Dispersing and Retarding Alumina
- **ADS 3:** Dispersing and strong Retarding Alumina
- **ADW 1:** Dispersing and Accelerating Alumina

Recommended additions are 1% in total, admixtures determine working time.

*Flow F 10 for ADS 1, ADS 3 and ADW 1 is measured in Self-Flow castable SFL 204.*

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Think alumina, think Almatis.
M-ADS 1, M-ADS 3 and M-ADW 1 for *silica-containing castables* using Tabular Alumina fines, Reactive Aluminas, Microsilica and CA-270 or CA-14 W, M or S cement in the matrix.

- **M-ADS 1**: Dispersing and Retarding Alumina
- **M-ADS 3**: Dispersing and strong Retarding Alumina
- **M-ADW 1**: Dispersing and Accelerating Alumina

Recommended additions are 1% in total for low cement-castables and 0.7% for ultra-low cement-castables, admixtures determine working time.

*Flow F 10 is measured in Self-Flow castable SFL-SMS-46-270.

**Shelf life**

Stored under adequate dry conditions, the properties of all Almatis Dispersing Aluminas remain stable for a period of 12 month. Experiences have shown that even after longer storage time the properties are not impaired.

### Contacts for sales, technical information and application assistance

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