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Technical Data Sheet

AL-TDS-T65W

Product	ALINA LIFE™ functional organoclay
Product name	T65W- Prototype
Description	ALINA LIFE™ is a novel multifunctional filler material, environment-friendly and easy-to-use montmorillonite mineral, that prolongs the life and improves the striking appearance of eco & natural finishing products.
Applications	ALINA LIFE™ is well-suited for use in waterborne primers, paints, stains and lacquers.

Key Benefits

- Multifunctional properties improve paint & coating product weathering performance.
- Non-allergenic, non-toxic and non-carcinogenic. Environment and human health friendly.
- In limited dosage, does not harm the matrix physico-chemical properties of the system.
- Readily applicable for wet grinding and mixing with binders as well as pigments.
- Compatible with high pH (11-12pH) paint and coating systems.
- Disperses well in aqueous solvents.

Properties

ALINA LIFE™ functional organoclay is naturally-occurring mineral surface-treated with quaternary ammonium compound:

- Surface treated montmorillonite - microencapsulated organics.
- Leaching resistant microstructure, VOC and AOX free.
- Both hydrophilic and hydrophobic properties.
- Paste form, contains 65% water.
- <53 µm (D100) paste. Applicable for grinding until 1 µm.
- Alkali-, acidic- and UV-stable material.
- 1,10-1,20 g/cm^3 bulk density.

Material lifetime protection.

- White colour.

Ease of Use	Used as an additive to paint material at a dosage of 0,6%-2.2%. **Recommended dosage calculated for the dry matter of the Paint.** (case example: dosage of 1% is equal of 28,6gr of ALINA LIFE paste, added to 1 kg of the paint dry matter).

When used in various formulations, amenable for wet grinding down to 1 μm particle size. Can be added directly as a paste, to simplify dispersion, recommended gradual dispersion into the volume.

Composition

Water suspension of dry organofilized activated sodium bentonite with quaternized ammonium salts.

Thermal Resistance

Heating up to 160°C does not adversely affect physical and functional characteristics of ALINA LIFE™.

Safety & Regulatory

Classified as non-hazardous under EC 1272/2008. Refer to Safety Data Sheet. Complies with European Reach Regulation EC/1907/2006.

Packaging

20 kg plastic package.

Storage, Handling, and Disposal

Store in a dry place. Please refer to the SDS for safety and disposal advice.

Compliance

ALINA LIFE™ is a raw material used for Paint manufacturing that is compliant with the requirements for Blue Angel Eco-Label - Low-Emission Interior Wall Paints Annex 1 criteria. For compliance documents, please contact ALINA team.

Material lifetime protection.

NOTICE: This technical data sheet is a guide to the properties of ALINA LIFE™ and its potential applications. Further technical information is available from ALINA SIA. Any data given in this document indicate typical product properties and no specification or warranty is implied. Although all information is given in good faith, we cannot accept any liability in connection with either the accuracy or completeness of such information, or that it or ALINA LIFE™ will be suitable for any particular purpose. It is your responsibility to ensure that any process you use or any product you make using ALINA™ products does not infringe any patent, complies with relevant local and international laws and directives and follows best practice standards for workplace safety and disposal. Please refer to the SDS for safety related information. It is ALINA's policy to update this information regularly. You are therefore advised to check that this leaflet is the most up-to-date.