



Putz Dichtament®

High Grade Plasticizing And Waterproofing Additive Admixture For Mortars And Plasters

Product Properties

- Exhibits outstanding compaction properties
- Renders the mortar water tight & highly workable
- Efficiently withstands multiple cycles of climatic changes
- Chloride Free
- Makes the capillaries discontinuous thereby providing additional waterproofing
- Makes cement savings possible

Areas of Application

- Can be admixed in all mortars and plasters requiring waterproofing and damp proofing properties
- Suitable for damp proofing of structures like water tanks, basements, swimming pools, etc.
- Suitable for external plasters and in areas where the dampness is always prevailing
- Very effective for application in sewage and water treatment structures, canal linings, underwater structures for irrigation

Application Notes

General

Putz Dichtament® is a unique type of mortar plasticizer that imparts waterproofing characteristics to the applied surfaces. It is a chloride free, highly economical integral waterproofing compound. The addition of **Putz Dichtament®** to well graded mortars entrains microscopic air bubbles evenly spaced in the mortar matrix. This entrained air not only plasticizes the mix but also makes the capillaries discontinuous, thereby providing additional waterproofing.

Advantages

By using **Putz Dichtament®** in the mix, the effective thickness of mortars and plasters can be reduced, thereby making cement saving possible. There is no wastage as mortar containing **Putz Dichtament®** need not be hit on the surfaces as in conventional ways but also simply be applied by planers and rectangular trowels. There is an inbuilt bonding aid that minimizes the loss of cement on account of rebound. The spreading and smoothening is very simple with this plasticizing aid. In addition, the efficiency of labour is increased by about 2.5 times and plastering can be done in a single operation. The saving in cement and labour renders the plastering works very economical and quick especially in case of very large areas.

Putz Dichtament® exhibit outstanding compaction properties combined with an inbuilt plasticizing aid, thereby rendering the mortar watertight and highly workable. The mortar obtained by addition of **Putz Dichtament®** can effectively withstand multiple cycles of climate changes, especially rain, without exhibiting signs of deterioration. These exceptional properties of **Putz Dichtament®** promote it as a most suitable admixture for mortars, especially for exterior plaster works.

Putz Dichtament® provides the mortar with efficient, reliable and durable damp proofing property against acute rains, ground water moisture, as well as environmental humidity.

The use of **Putz Dichtament®** makes the mortar free from

segregation and impervious, considerably improving the density supplemented by easy application.

Centrament Putz-DM in its original concentration form is very economical as it can be diluted with admixing water in a ratio upto 1:50 by volume. Using **Centrament Putz-DM** can reduce the specified water content of the mix by about 10 to 15% maintaining the same consistency.

Instructions for use

Centrament Putz-DM should be diluted with water in a ratio of 1:30 to 1:50 parts by volume. The sand for preparation of the mortar should be normal mortar sand as prescribed by DIN 18550/ASTM C144 or similar relevant standards. For obtaining the water repellent exterior plaster in accordance with DIN, BS, ASTM etc. either of the following mix proportions can be chosen:

- 1 pbw of hydrated lime with 3 pbw of sand
- 1 pbw of cement, 2 pbw of hydrated lime and 9 pbw of sand
- 1 pbw hydrated lime or standard cement with 3 to 4 pbw of sand.

Sufficient **Centrament Putz-DM** admixed water is to be added to any one of the above mentioned mixes to obtain the desired consistency. While proportioning the mortar mix due consideration should be given to decrease the water (10 to 15%) necessitated by the presence of **Centrament Putz-DM**. If moist sand is used for the mix the moisture content should be evaluated and admixing water added accordingly. As a guideline in such cases, mixing of **Centrament Putz-DM** and water should be carried out in a ratio of 1:20 to 1:25 volumetrically.

Further Instructions / Precautions

Air Entrainment in Mortar and Easy Application



Easy Application with Putz Dichtament® as Additive



Technical Data For Putz Dichtament®

Characteristic	Unit	Value	Comments
Density	Kg /Litre	1.0	± 0.02
Mixing ratio	% by weight of cement	0.25 - 1.0	Depending on Application

Product Characteristics for Putz Dichtament®

Type of Product	Mortar Plasticizer and Waterproofing Additive
Form	Liquid
Colour	Brown
Shelf Life	12 Months from date of Manufacture
Delivery	250 kg drums and 30 kg cans
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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