

1.0 Description:

- Modified cement base putty in powder state, just add water, used for preparing the surface before painting.
- Has high cohesion & adhesion to substrata.
- High workability.
- High resistance to moisture.
- Long pot life reaches 90min after mixing with water.

2.0 Uses:

- High quality putty for preparing substrata before painting, especially those subjected to dampness.
- It is recommended to use SUBMENT in shore building, basements & the like.
- For preparing substrata prior to epoxy paints.

3.0 Approval & Certification:

Egyptian Standards : ES6623 / 2020

4.0 Colours:

Grey and White Cementous colours.

5.0 Product Data:

Binder	: Hydraulic & synthetic resins
Density on wet	: 1.82 gm/ml
Water Resistance	: passed without bloating or cracking or separation
Alkali Resistance	: passed without bloating or cracking or separation
Adhesion to concrete	: 1.8 MP
Dilution	: water if necessary

6.0 Consumption and film Thickness per coat:

Consumption : 0.5 – 1.0 kg /m²

Note: Consumption and film thickness depend on application system and surface conditions.

7.0 Surface Preparation:

- Any substate treatment shall be removed before application.
- Substrata should be cleaned from oil, grease, dust
- Spelled concrete should be cut back until reaches sound concrete and repaired with suitable repairing mortar.
- Substrate surface temperatures are above 10°C and lower than 40°C,
- Damaged areas shall be repaired using suitable mortar.
- Wet substrate before application.

8.0 Application Methods:

1. Clean substrate well & wet it with water before application.
2. Put water in a suitable container (about 36% of powder).
3. Add the SUBMENT powder gradually to the water & mix well, manually or by using mechanical mixer.



4. After 5 minutes repeat mixing once again till you get a homogenous workable paste.
5. Using a knife paste tool apply SUBMENT.
6. The second coat can be applied on the second day if required.

Notes:

- *Temperature of the substrate should be min 10°C and below 40°C. Recommended to damp the surface using water, especially in summer.*
- *Good ventilation should be ensured*
- *The ratio of water should be the same for every bag to maintain the consistency of the paste.*

9.0 Weight and Product mixing Ratio by weight:

Water/Cement %	: 20%	by weight
Container of Powder component	: Double Sealed plastic bags	
Total weight	: 20	kg

Notes:

- *Slow Mechanical Mixing is recommended*
- *Mixed component and water should be transferred to a third container and remixing should take place to reach ultimate results.*

10.0 Pot life, Drying and curing time:

Pot Life	: 30 min at 24°C
Touch Dry	: 30 min
Hard Dry	: 1-2 Hours
Initial Curing Time	: After 24 hours of mixing.
Final Curing Time	: After 28 days at ambient temperature.
Recoating	: after 24 hours

11.0 Recoating:

- Duration between any two successive coats should be at least 24 hours.
- Maximum thickness per coat is 500 microns.
- In case of multi-coat application, drying times will be affected by the total thickness of previously applied coats.
- The surface should be dry and free from any contamination prior to application of the subsequent coat.
- Suitable for emulsion, alkyd and epoxy-based paints.

12.0 Disclaimer:

- The information in this document is given to the best of our knowledge, based on laboratory testing and practical experience. We cannot guarantee anything but the above-mentioned quality of the products themselves. Minor product variations may be implemented to comply with local requirements. We reserve the right to change the given data without further notice. Users should always consult us for specific guidance on the general suitability of this product for their needs and specific application practices.
- Samples of any approved delivered materials shall be retested after delivery.
- These products are for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to our technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to our responsible representative for approval before commencing the work.

13.0 Handling of Cement Products:

- Avoid contact with eyes and skin. Emergency showers and eyewash stations should be readily accessible.
- Adhere to work practice rules established by government regulations.
- Use personal protective equipment.
- When using, do not eat, drink, or smoke.

14.0 Compatibility:

- Primers applied prior to specified product shall always be acrylic or cement-based products.

15.0 First aid Measures:

- General advice: Seek medical advice. If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
- Eye contact: Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.
- Skin contact: Immediately remove contaminated clothing, and any extraneous chemical, if possible, to do so without delay. Initiate and maintain gentle and continuous irrigation.
- Take off contaminated clothing and shoes immediately.
- Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
- Inhalation: Move to fresh air.

16.0 Storage:

- Store above ground and surrounded by dikes to contain spills or leaks.
- Do not store in humid or extra hot weathering conditions.
- Keep containers tightly closed away from heat & In dry, cool, and well-ventilated place.