

EDEN PUTTY

Advanced Hybrid Cement Based Putty

PRODUCT DESCRIPTION

EDEN PUTTY is an advanced hybrid cementitious mix designed for use as a final or base coat to provide a very fair/smooth finish on plastered surface, thus making it ideal for paint application. Within its composition are the finest quality minerals, polymers, white cement, additives and pigments specifically designed for interior and exterior coating/use. Among its engineered features is good curing/setting time, resistance to water penetration, and protection against wind rain when used for external application. EDEN PUTTY can easily be applied once mixed (Powder to Liquid) to a wide range of plastered surfaces/substrate and gives savings on quantity of paint to be used.

SPECIAL FEATURES

- ✚ Reduces the frequency of repainting.
- ✚ Protects against wind rain penetration.
- ✚ Protection against cracks
- ✚ True color tone of the paint is maintained, and surface primer is not required.
- ✚ Resistant to water, frost, moisture and severe weather conditions
- ✚ Provides an excellent flushed surface substrate for the application of further finish
- ✚ Good bond/adhesion strength owing to its polymer modified properties.
- ✚ Good tolerance to domestic chemicals such as detergents
- ✚ Minimized risk of cracking
- ✚ Suitable for use on above ground structures.
- ✚ Fast and ease to apply
- ✚ Easy and quick to mix (Powder to liquid).
- ✚ Provides anti-carbonation cover over concrete
- ✚ Good deformability and plasticity.
- ✚ Offers up to 50% savings on paint to be used.
- ✚ Adequate Fireproofing ability, durable and long lasting.
- ✚ Features quick and easy installation.
- ✚ Does not support bacterial & Fungal growth especially when adequate surface finish is observed
- ✚ Can be applied by trowel, roller and airless spray machine.
- ✚ Perfect Solution for smooth finish
- ✚ Protects expensive paint from dampness, peeling off and flaking.

WHERE TO USE

EDEN PUTTY is suitable for application in the following areas:

- ✚ Suitable for creating a leveled surface on an uneven plaster, masonry wall or concrete.

- ✚ Suitable for smoothing walls and ceilings before final treatment is applied.
- ✚ Internal and External application.
- ✚ Suitable for fillings holes and irregularities, leveling and covering ceilings during renovation work.
- ✚ Can be applied to mineral-based substrates such as gypsum boards or plastered surfaces
- ✚ Repairing, leveling and undercoating old rendered surface and walls.

APPLICATION PROCEDURE

Stage-1: SURFACE PREPARATION & INVESTIGATIONS

A - Pre Substrate Investigation

- ✚ To further ensure durability and efficiency of putty performance, substrate should possess sufficient compressive strength.
- ✚ Check substrate for the presence of old loose coatings, dirt, fats, oils, organic substances, existing membranes and dust. In any case of the existence of the above listed adequate surface preparatory measures should be employed such as surface grinding by means of a grinding machine.
- ✚ Ensure new concrete structures is cured for at least 28 days.
- ✚ All visible surface irregularities and indentations need to be smoothed and evened out using EDEN reprofiling range of mortars.

B - Surface Preparation

- ✚ Careful surface preparation is essential for optimum finish and durability thus, surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the mortar. In order to achieve this, concrete surface must be mechanically profiled.



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- ✚ Substrate should be SSD (Surface Saturated Dry), this will aid to prevent quick drying out of putty when applied to substrate.

C - Post Substrate Preparation Investigation

- ✚ Any uneven or visibly loose pieces needs to be chipped off and perfected using EDEN reprofiling range of mortars to achieved an excellent smooth finish.
- ✚ Thoroughly remove any evidence of grinding dust or chipping particles observe.

Stage-2: APPLICATION

A – Mixing

Mix mechanically using an electrical hand mixer. Mix 20kg of EDEN PUTTY with 4 liters of clean water until a homogeneous paste is obtained. Let the mix rest for a few minutes to enable entrapped air escape.

B - Application

- ✚ EDEN PUTTY shall be applied in a uniform layer on the substrate, using a iron trowel. Apply to prepared substrate in accordance to desired thickness.
- ✚ EDEN PUTTY set in approximately 2 hours after which subsequent smoothing and grinding can be carried out. The layers applied on walls may be finished by smoothing with the trowel or using suitable tools (such as a range plumb) shortly

before the material binds/sets. After drying, the surface may be polished with abrasive paper.

- ✚ The dust which will/may cover the surface shall be swept by a small soft broom or sturdy sponge.
- ✚ Both the instruments and the areas smeared with this coat shall be washed with water and hardened residues shall be removed mechanically.
- ✚ Ensure to use up the putty mass prepared/mixed within approximately 40 - 60 minutes from its time of preparation.

C – Drying Time

Drying time depends on the thickness of the applied putty and prevailing weather conditions.

RECOMMENDATION:

Before Use

It is recommended that product is stirred well before using for at least 2-3 min. Check product seal to ensure it is unbroken or fake. Consult customer support should any concern arise for clarity and Technical support.

General

- ✚ Do not add water to the putty once mixed.
- ✚ Stir for a few minutes once settled during usage.
- ✚ Do not add any external materials to the mixture.

TECHNICAL PROPERTIES

<i>Packaging</i>	5kg, & 20kg pack	<i>Powder</i>
<i>Shelf life</i>	12 months minimum from date of production	<i>If stored properly in original, unopened and undamaged sealed packaging.</i>
<i>Appearance</i>	Grey or White	<i>Grey/whitish appearance when mixed.</i>
<i>Mix Ratio</i>	4 liters of water to 20kg bag.	<i>Mix by ratio of 1:5 or as observed.</i>
<i>Pot Life</i>	Approximately 35-60minutes	<i>Under normal conditions</i>
<i>Bond Strength</i>	>0.4N/mm ²	
<i>Compression strength</i>	>2N/mm ²	@ 28Days
<i>Adhesion to substrate</i>	>1.0N/mm ²	ASTM D4541
<i>Ambient temperature</i>	+5 °C min. / + 35 °C max.	



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APPLICATION INFORMATION

<i>Cure Time</i>	24 hrs minimum for initial curing	<p><i>Dependent on prevailing weather conditions</i></p> <p><i>Depending on application rate and style</i></p> <p><i>Depending on application rate and style</i></p> <p>NB: <i>The theoretical coverage provided above is obtained based on controlled lab practicals and variations can be expected onsite due to porosity of the substrate, accounting for wastage during application and prevailing weather conditions.</i></p> <p><i>Protect from direct sunlight and frost</i></p>
<i>Work Time</i>	40 – 60 minutes	
<i>Minimum Time To Re-coat</i>	As Observed	
<i>Maximum Time To Re-coat</i>	As Observed	
<i>Substrate temperature</i>	+5 °C min. / + 35 °C max	
<i>Application temperature</i>	10°C minimum – 36°C maximum	
<i>Coverage</i>	1.2kg per m2 per mm thickness.	
<i>Storage condition</i>	Store in dry conditions in original packaging at temperatures between +5 °C and +30 °C.	

CAUTION

- ✚ EDEN PUTTY is recommended for use only as described in the Uses section of this data sheet.
- ✚ Be careful to observe written instruction on all technical documents for this product such as *Safety Data Sheet, Method Statement Data Sheet, Technical Data Sheet, and Test Certificate Results* for Further details on Environmental Health and Safety.
- ✚ Application in cooler temperatures may require extra curing time before the installation of additional coverings.
- ✚ Do not add water to dilute the material
- ✚ Coverage is changeable depending on the application type, surface porosity, surface profile, variation in level or wastage etc. it is recommended that at least 3 layers are applied.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY HEALTH AND SAFETY

Information on the safe handling, storage and disposal of chemical products, user is advised to refer to the most recent/updated *Safety Data Sheet, Method Statement Data Sheet, and Technical Data Sheet*, containing physical, ecological, toxicological and other safety/handling/storage related data.

CLEAN UP

Wash hands and tools with EDEN super cleaner or any of EDEN recommended cleaning products promptly before the material hardens. Cured material must be mechanically removed.

TECHNICAL SUPPORT

AISE-OHIS EDEN CONSTRUCTION (CHEMICAL) Ltd provides a technical advisory service supported by a team of specialists in the field.

STORAGE AND SHELF LIFE

- ✚ EDEN PUTTY can be stored 12 months minimum from date of production if stored properly in



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original, unopened and undamaged / sealed packaging.

- ✚ EDEN PUTTY is supplied in 5kg & 20kg Bag.
- ✚ Storage area should be free from direct sunlight rays.
- ✚ Storage area should be free from moisture and rain.
- ✚ Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, and batch number and application precaution labels.

HEALTH & SAFETY

- Please ensure that hand gloves and goggles are worn during installation
- Apply in ventilated areas, away from flames
- It is only important that during application and after application, standard safety procedures are done.
- Please consult current MSDS for product.
- *For Professional Use only.*

ADDITIONAL INFORMATION

AISE-OHIS *EDEN CONSTRUCTION (CHEMICAL) Ltd* manufactures a complete range of construction chemical products which include:

- ✚ Cementitious Waterproofing membrane
- ✚ Acrylic Waterproofing membrane
- ✚ Polyurethane Waterproofing membrane
- ✚ Bituminous Waterproofing membrane
- ✚ Flooring solution
- ✚ Damp-Proofing products
- ✚ Repair and refurbishment systems
- ✚ Water-stop
- ✚ Cleaning agent
- ✚ Bonding agent
- ✚ Decorative / Repair mortars
- ✚ Tile adhesive and grouts

For more information on any of our products, please contact AISE-OHIS *EDEN CONSTRUCTION (CHEMICAL)* global or regional office.

LEGAL NOTE

Details contained in this Technical Data Sheet is provided in good will based on the experience and knowledge of the products been stored, handled and applied properly under normal conditions. That client will be responsible to duly follow all instruction written herein. However, Whilst Aise-Ohis *Eden Construction (Chemicals)* Limited endeavors to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it. Therefore, user is mandated to check/test product's suitability for the intended application and purpose. Aise-Ohis *Eden Construction (Chemicals)* Limited reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.