HITi
Construction Revolution

DECOPLAST DP 1999

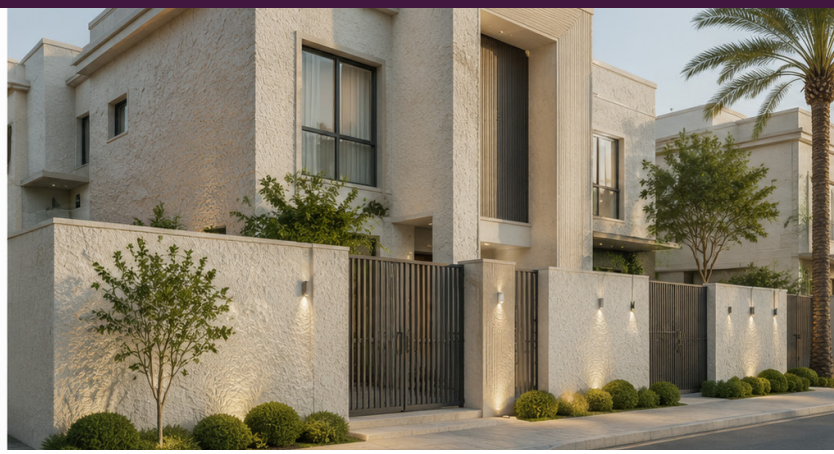
Cement-Based White Decorative Plaster
Exterior & Interior Applications

Technical Data Sheet



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Product Description

HITI DECOPLAST DP 1999 is a white cement based, single-component, polymer-modified decorative render with water-repellent properties, designed as a textured final coating for exterior facades, interior walls, and external thermal insulation systems. Formulated with well-graded mineral fillers, selected polymers, and specialized additives, it forms a natural, homogeneous decorative texture with high resistance to weathering, while its high water vapor permeability allows the building to breathe.

Important: HITI DECOPLAST DP 1999 is **not a waterproofing layer** and does not replace HITI ELASTICSEAL 2K1075. It is water-repellent, breathable and durable against weather changes — excellent for exterior façades and ETICS, and also suitable for interiors.

Applications

HITI DECOPLAST DP 1999 is designed for use as a decorative top coat in the following areas:

- On well-plastered exterior surfaces and facade coating systems.
- As a decorative finishing coat on external thermal insulation composite systems (ETICS).
- On all kinds of sound mineral substrates (cementitious plaster, concrete, precast and aerated concrete), both indoors and outdoors.
- As a decorative finish on interior walls and ceilings where a textured, breathable coating is required.
- Residential buildings, commercial centers, hospitals, and public buildings.
- Vertical and overhead applications, for both interior and exterior spaces.

ADVANTAGES

- Easy to apply and easy to texture.
- High resistance to weathering and extreme climatic conditions.
- Water repellent; prevents moisture accumulation.
- High water vapor permeability, allowing the building to breathe.
- Conceals minor surface defects and steel trowel marks.
- Provides a homogeneous, natural decorative appearance.

- Long service life; non-flammable (Class A1) and does not blister.
- Can be overpainted with exterior facade paints after 7 days.

SURFACE PREPARATION

- The substrate must be sound, clean, and dry, and free from dust, dirt, oil, grease, rust, form oil, curing compounds, detergents, and any loose or blistered coatings that may prevent good adhesion.
- Weak or loose parts must be removed. Cracks, voids, and surface irregularities must be repaired in advance with a suitable HITI repair mortar.
- Very smooth or painted surfaces: roughen with an acrylic-based paint before application.
- New mineral substrates must be cured for at least 28 days before application.
- All waterproofing precautions must be completed prior to application.
- In hot weather, dampen the substrate slightly before application; there must be no free water or ponding on the surface.

MIXING

- Gradually add the 25 kg bag of **HITI DECOPLAST DP 1999** into 5.25 – 5.5 liters of clean, cool water in a clean mixing container.
- Mix with a low-speed mechanical mixer (max. 500 rpm) for 3 – 5 minutes until a smooth, lump-free, homogeneous paste is obtained.
- Allow the mixture to mature for 5 minutes, then remix briefly for about 2 minutes before use.
- Use the same amount of water for every batch; otherwise, texture and tone differences may occur on the surface.
- Do not add extra water to a mix that has begun to stiffen, and do not add any foreign materials or additives.

APPLICATION

- Apply **HITI DECOPLAST DP 1999** evenly to the surface using a stainless-steel trowel. Standard thickness: 3 mm; maximum 15 mm.
- Texture the surface within 10 minutes of application, using a plastic or polyurethane trowel in circular movements to obtain a fine, uniform pattern. Clean the trowel face frequently while texturing.
- Finish all adjoining surfaces in a single, continuous application. On large areas, employ a sufficient number of applicators and work wet-on-wet without interruption up to joints, corners, or masking tape lines to avoid overlap marks.
- Consume the prepared mortar within its pot life (approx. 2.5 hours at +23 °C, depending on weather conditions). Discard any mortar that has exceeded its pot life.
- Clean tools and equipment with water immediately after use, before the material hardens. Hardened material can only be removed mechanically.
- Painting over it: after 7 days.

CONSUMPTION

Approximately 4.0 kg of powder per m² at the 3 mm standard thickness. Consumption values are average figures and may vary depending on application conditions, texture, and substrate properties.

TECHNICAL DATA

Values obtained at +23 °C and 50 % relative humidity. Values may differ depending on site conditions.

Category	Details
Color	White
Composition	White cement based; polymer modified
Appearance	Textured powder
Mixing Ratio	5.25 – 5.5 L clean water / 25 kg bag
Maturing Time	5 minutes, then remix for 2 minutes
Pot Life	Approx. 2.5 hours at +23 °C
Application Temperature Range	+5 °C to +35 °C (air, substrate and material)
Service Temperature Range	−30 °C to +80 °C
Application Tools	Stainless steel and plastic trowel
Layer thickness	Standard 3 mm · up to 15 mm
Consumption	~4.0 kg/m² at 3 mm standard thickness
Compressive Strength	7.5 N/mm²
Bond Strength	≥ 0.55 N/mm²
Mixed Density	1615 ± 50 kg/m³
Reaction to Fire (EN 13501-1)	Class A1
Waterproofing	Not a waterproofing layer (water-repellent, breathable)
Painting over it	After 7 days

PACKAGING

25 kg three-ply paper bags.

STORAGE

- Store in a dry, cool environment between +5 °C and +35 °C, in the original unopened packaging, off the ground on pallets.
- Protect packages from water, moisture, frost, direct sunlight, and adverse weather conditions.
- Do not stack more than 10 bags on top of each other.

SHELF LIFE

12 months from the date of production when stored in the original unopened packaging under the storage conditions stated above. Do not use the product after its shelf life has expired.

SAFETY INSTRUCTIONS

- **HITI DECOPLAST DP 1999** contains cement, which may irritate the eyes, skin, and respiratory system.
- Wear suitable work clothing, protective gloves, dust mask, and safety goggles during mixing and application.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.
- Wash hands with water and detergent before the product cures and hardens.
- Keep out of reach of children.

LIMITATIONS

- Do not apply when the air, surface, or material temperature is below +5 °C or above +35 °C, and ensure the surface remains rain-free during application and for 24 hours after application.
- Do not apply under direct sunlight, in strong wind, fog, high relative humidity, or when rain or frost is imminent. Hot surfaces should be dampened before application.
- Not suitable for horizontal surfaces exposed to standing water, rain, or moisture. Not a waterproofing layer — use HITI ELASTICSEAL 2K1075 where waterproofing is required.
- Protect the applied coating from rain, wind, frost, and excessive heat for at least 12 hours after application, until fully dry.
- Do not re-temper hardened material by adding water, and do not add any additives other than those stated in the product application instructions.
- A paint primer must be used when dark-colored topcoat paints will be applied.

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