

EVALITE Application Instructions
EVALITE - Natural Gypsum Multi-purpose Plaster



Surface Preparation before application:

Ensure that the area/surface to be plastered is completely cured/dry and free of any contaminants e.g. dust, powder, grease, oil etc.

Finishing plaster onto:

- **Sand & Cement basecoats.** Ensure that the sand and cement used in the basecoat is in accordance with SABS Specification No. 1090/1976. A suitable basecoat can be made up of 4 parts plaster sand, two parts river sand, and one part cement. Be certain that the basecoat is completely dry before EVALITE is applied. Brush down the entire surface to remove all loose particles. Slightly wet the sand cement basecoat.
- **Painted surfaces.** Ensure that the painted surface is sound and free of bubbles, loose particles and/or oiliness. Apply a quality plaster bonding liquid like EVAGRIP as per instructions. Whilst it is still wet and tacky, follow with the required application of EVALITE plaster.
- **Basecoat and finishing plaster onto brickwork concrete and concrete blocks.** Before applying EVALITE plaster onto brickwork, concrete and concrete blocks, brush off loose cement with a wire brush. Check that all dust is removed. Slightly dampening down the area will help settle dust. Fix plaster corner beads, plumb & square all external corners & reveals using EVALITE. Apply corner beads before plastering. N.B - plaster beads are strongly recommended but EVALITE corners can be finished with a corner tool.
- **Basecoat and finishing plaster onto gypsum board.** Tack wire scrim or apply fiber tape over all joints. Apply EVALITE plaster to joints in all directions ensuring that the EVALITE is applied thoroughly into the fiber tape or wire scrim. Allow EVALITE to firm up (not dry) then plaster with 3-6mm of EVALITE. Always ensure that the unprinted side of the partition board is plastered with EVALITE plaster.

Mixing:

1. Pour approx. 20lts of clean water into a mixing container and slowly pour in 40kg EVALITE. (as a guide add 1lts of water for every 2kgs of EVALITE - Water ratio is approximate - the workability can be altered by altering the water volume.)
 2. Allow the mixture to soak for 5 minutes.
 3. Mechanical mixing is preferable for aeration and workability - mix thoroughly until smooth and creamy texture ensuring that the mixture is free of any lumps.
 4. **Important!** Never re-stir the mixture or add more EVALITE powder after mixing is complete.
 5. Only mix enough EVALITE that can be used in 60minutes. No more than 2 x 40kg bags per mixing container.
 6. Clean all mixing utensils between mixes taking care to remove all remnants of previous mix.
 7. Before decoration check surface has set hard and is dust-free.
- N.B - EVALITE is supplied pre-mixed. ONLY the addition of clean water is required.
- Do not add any other substance (e.g. cement/lime) into EVALITE.

Application Instructions:

1. Apply an initial thin tight coat of EVALITE.
2. Next, follow with another coat - filling to the required thickness.
3. Skim the surface level using a straight edge.
 - To achieve a "brushed effect finish" – brush the surface with a dampened block brush taking care to apply even up-down strokes.
 - To achieve a superior "smooth finish" – allow the plaster to stand till plaster stiffens then:
 - a.) On areas plastered with same mix, float surface with sponge rubber float to level area and bring 'fat' to surface. Hold steel trowel acute to wall and remove 'fat' whilst polishing the surface.
 - b.) On areas plastered with different mixes, apply a tight skim coat from one mix, cover surface and finish with a rubber float and steel trowel.
4. Allow the surface to slightly dry until the area as stiffened. Next, float the entire area level using a rubber float. This would bring out the excess liquid "fat" to the surface. Using the edge of a steel float/trowel, remove this "fat" whilst polishing the surface to a superior smooth finish.

Technical Data:**Setting Time:**

IVALITE has a setting time of approximately:

Initial setting	-	55 - 65 minutes
Final setting	-	100 - 120 minutes

Open time: - 70 minutes

pH: - 4.5 – 5.5

Water up Take: - 35 – 55ml/100gr

Total Moisture Content: - 5,5 – 6,5% wt/wt

Packing Density: - 0,6 – 0,8 g/cm³

Compressive Strength: - 4,0 – 7,0 N/mm²

Coverage:

IVALITE when applied at an average of:

-	2 - 3mm per m ²	=	25m ² / 40kg bag
-	5 - 6mm per m ²	=	11.50m ² / 40kg bag
-	12 - 15mm per m ²	=	4.50m ² / 40kg bag
-	15 - 20mm per m ²	=	3m ² / 40kg bag

This product should never be applied less than a thickness of 2 - 3mm per m². IVALITE can be applied up to a thickness of 75mm – 2 applications may be required.

Shelf life: - 6 months

Pack Sizes: - 40kg Bags

Clean up: - Water

Storage: - Store in a cool dry space.
- Always store off the ground, concrete & steel floors.

Decoration:

- NB. The dried IVALITE surface must never be sandpapered.
- Before applying household paints, the area plastered with IVALITE must be sealed and primed using an alkali-resistant plaster primer or bonding liquid thinned down with mineral turpentine.
- Allow to dry for 24hrs before top-coating with household enamel or PVA paint. IVALITE must never be over-coated with epoxy paints!

Safety:

- Safety should always be a priority when working with materials and tools.
- Avoid contact with skin and eyes.
- Always wear gloves, glasses and mask when using this product.
- Do not put materials in drains or waterways.
- Clean-up with clean water and detergent only.
- Do not ingest or inhale.
- Ensure adequate ventilation when using product.