

//// TERRACO®

PLASTER *FASTER*



Sprayplaster™

The House of Scandinavian Finishing Materials



Jumeirah Beach Residences (JBR), Dubai Marina, Dubai



The Palm Villas and The Atlantis Hotel & Resort, The Palm, Dubai



Emirates Palace, Abu Dhabi

Spray applied plasters

sometimes referred to as machine plasters, have been widely used in Europe since the 1960's and are today one of the main forms of plastering used in modern building systems as it is the ideal solution for fast-track projects where cost and time are of paramount importance. Terraco is one of the leading producers of spray applied, polymer modified, plasters in the world.

Our track record speaks for itself!

Established in 1980 and with over 750 products available, Terraco is today a global leader in the manufacture and distribution of high quality, environmentally friendly construction finishing materials. Using environmentally friendly raw materials and production methods, the Terraco Group has established a global footprint with 17 strategically located production facilities, exporting to over 75 countries.



Terraco Sprayplaster™ has for over 30 years been applied on millions of square meters of walls and ceilings each year and on numerous iconic buildings around the globe.

PRESTIGIOUS PROJECTS

Atlantis Hotel & Resort, Palm Island, Dubai • Dubai International Financial Centre (DIFC), Dubai • Emirates Palace, Abu Dhabi • Four Seasons Nile Plaza Hotel, Cairo, Egypt • Jumeirah Beach Residences (JBR), Dubai Marina, Dubai • Tariq Sabit Hotel, Khartoum, Sudan • Yas Marina Hotel, Yas Island, Abu Dhabi • The Palm Villas, Palm Island, Dubai • Al Muneera, Al Zeina and Al Bandar- Al Raha Beach, Abu Dhabi • Index Tower, Dubai • Fairmont Hotel, Dubai • Bait El Aila Housing projects, Cairo, Egypt • Le Royal Hotel, Amman, Jordan • Reem Island, Abu Dhabi • Sharjah University, Sharjah, UAE • Grosvenor House Hotel, Dubai • King Abdullah University Hospital, Amman, Jordan • Sports City, Dubai • Mall of the Emirates, Dubai • Dubai Mall, Dubai

Leading the way to a greener future...

“Terraco believes in creating environmentally friendly and resource efficient buildings that enhance comfort and quality of life. The products are developed using green technology which combines ecofriendly raw materials to create a healthy, long lasting, high quality finish. Terraco’s products are not harmful to the applicator, occupier or the environment. Please refer to our website for more information on how Terraco can help your building become green.”



Yas Marina Hotel, Abu Dhabi



Nile Plaza, Cairo, Egypt



Le Royal Hotel, Amman, Jordan

PRODUCT RANGE

Specified by architects, used by builders. The **Sprayplaster™ System** includes the following range of products:

Sprayplaster™ Basecoat (BC) Interior Application

An acrylic based, ready-mixed rendering compound used on all common types of interior building surfaces, to level and rectify irregularities up to 10mm in thickness, when applied in multiple coats at a maximum thickness of 5mm per application. It acts as a filler basecoat and will need to be finished off by over coating it with the Sprayplaster finishing products listed below, before painting can commence.

Sprayplaster™ Cement Modifier (CM) Interior & Exterior Application

A cement based modifier which when added to Sprayplaster™ BC gives the plaster added hardness and water-resistance. With this addition (in a mixing ratio of 1:1) the system becomes highly suited for exterior applications, where the requirements call for higher density plaster, water resistant plaster or where plaster thickness will exceed 8mm. When Sprayplaster CM is mixed with Sprayplaster BC, it can be sprayed in thickness up to 15 mm per single coat application.

Sprayplaster™ Basecoat (DP) Interior & Exterior Application

A polymer enhanced, spray applied cementitious plaster which is used as a basecoat plaster in the Sprayplaster system. It requires only simple mixing with water and is suitable for a thickness from 8 to 20mm.

Sprayplaster™ Finishcoat (FC) Interior Application

A white, acrylic based, ready-mixed compound ideal for use on all interior areas requiring up to 3mm thickness. Sprayplaster™ FC removes the need for any further wall fillers (putties, stucco etc) and primers prior to painting. It gives a high quality, even wall surface for painting or other finishes. Only 1-2 coats of paint is required when using quality paints such as Terraco Terralux, Terramatt, or Terralast. When applied to ceilings, Sprayplaster™ FC is typically left uncoated - with an aesthetically pleasing fine spray applied texture - eliminating the need for any further painting work.

Sprayplaster™ Washable (WB) Interior & Exterior Application

Is used instead of Sprayplaster™ FC in wet areas such as kitchens, bathrooms and balconies where a higher degree of water resistance is required and is applied at a maximum thickness of 3mm.

Sprayplaster™ Lite (FC) Interior & Exterior Application

A light weight version of Sprayplaster™ Basecoat in powder form. It has thermal insulation properties and can be applied in a single coat of 30mm in thickness, making it an ideal choice for exterior work.

BENEFITS

COST & TIME SAVING: Sprayplaster™ saves time - a team of 4 applicators with one spray machine can achieve in excess of 500 m² per day of finished surfaces (skimcoating with Sprayplaster™) and in excess of 250 m² of finished wall surfaces (thick coat applications) subject to layout and availability of prepared surfaces.

EASY APPLICATION: the high workability of the plaster makes it easier to apply and level the material - resulting in a higher quality finish.

HIGHEST QUALITY: as the products are factory mixed, all ingredients are controlled and subjected to strict Terraco quality control procedures ensuring consistency of product and dependable quality.

FLEXIBILITY: Sprayplaster™ is a polymer based plaster which gives the product an in-built flexibility not existing in traditional cement plaster - this helps to reduce cracks.

REDUCES CRACKING: the plaster is based on graded fillers which follow strictly monitored particle size distribution curves. This significantly reduces cracking, saving not only the painter surface preparation time, but results in a high quality, even surface for painting or for coating with other Terraco specialised decorative finishes.

WEIGHT REDUCTION: Sprayplaster™ is a thin-coat, light weight plastering system which gives substantial reductions in plaster weight: 10mm of Sprayplaster™ will weigh approx. 18kg/m² while a traditional plaster, applied at the typical minimum thickness of 15mm, will weigh approx. 33kg/m². A weight reduction of 45%!

REDUCED CURING TIME: cure for only 48 - 72 hours after application using a fine mist spray . Traditional plaster requires curing for 7 days.

PERFECT ADHESION: as the material is applied by spray machine, under pressure, adhesive strength is exceptionally high and prevents delamination between the substrate and the plaster.

NO PRIMERS: Sprayplaster™ FC eliminates the need for stucco and primer on most conventional paint systems.

ATTRACTIVE TEXTURES: ceiling applied Sprayplaster™ FC can be left with an attractive texture - and does not require any additional coating or paint.

ENVIRONMENTALLY FRIENDLY: all Terraco Sprayplaster™ products are water based, applicator friendly and environmentally safe.



Gateway City, Dubai International Financial Centre (DIFC), Dubai



Surface preparation



Applying Sprayplaster™ BC at joints



Levelling Sprayplaster™ FC with spatula

APPLICATION SYSTEMS

1. CEILING SYSTEMS

CONCRETE CEILING

1. Apply 1 coat Terraco Sprayplaster™ BC at joints.
2. Apply 2 coats Terraco Sprayplaster™ FC and level with steel edge spatula. *and if texture is required:*
3. Spray apply 1 coat of Terraco Sprayplaster™ FC to the required texture.

HOURDY CEILING

1. Apply 1 coat Terraco Sprayplaster™ BC to the blocks.
2. Apply 1 coat Terraco Sprayplaster™ BC to the entire ceiling and level smooth.
3. Apply 2 coats Terraco Sprayplaster™ FC and level with steel edge spatula. *and if texture is required:*
4. Spray apply 1 coat of Terraco Sprayplaster™ FC to the required texture.

PRECAST CEILING

1. Apply 1 coat Terraco Sprayplaster™ BC at joints and embed fibreglass mesh.
2. Apply 2 coats Terraco Sprayplaster™ FC and level with steel edge spatula. *and if texture is required:*
3. Spray apply 1 coat of Terraco Sprayplaster™ FC to the required texture.

POLYSTYRENE CEILING

1. Apply 1 coat of Terraco Terrabond A primer to the polystyrene ceiling.
2. Apply 1 coat Terraco Sprayplaster™ BC and embed white fibreglass mesh at the joints.
3. Apply 1 coat Terraco Sprayplaster™ BC to the entire ceiling and bring to a suitable level.
4. Apply 2 coats Terraco Sprayplaster™ FC and level with steel edge spatula. *and if texture is required:*
5. Spray apply 1 coat of Terraco Sprayplaster™ FC to the required texture.

2. WALL SYSTEMS

SYSTEM:
READY MIX
Sprayplaster™ BC
&
Sprayplaster™ CM

SURFACE: BLOCK WALL

INTERNAL WALLS:

1. Fix micro angle beads & fibreglass mesh where necessary.
2. Fix spot guides to achieve a level surface.
3. Pre-wet the surface prior to application.
4. Spray apply Sprayplaster™ BC & CM mix (mixing ratio 1:1) up to a maximum thickness of 15mm per coat and level smooth using levelling board.
5. Allow to dry over night.
6. Cure for 48 – 72 hours using mist spray of water.
7. Apply 2 coats of Sprayplaster™ FC and level using steel edged spatula.

EXTERNAL WALLS:

1. Fix stainless steel micro angle beads & fibreglass mesh/stainless steel metal lath where necessary.
2. Fix spot guides to achieve a level surface.
3. Pre-wet the surface prior to application.
4. Spray apply Sprayplaster™ BC & CM mix (mixing ratio 1:1) up to a maximum thickness of 15mm per coat and level smooth using levelling board.
5. Allow to dry over night.
6. Cure for 48 – 72 hours using mist spray of water.
7. Application should not be done when temperatures are too high (>40°C) and/or in very windy conditions.

SURFACE: CONCRETE WALL

1. Fix micro angle beads & fibreglass mesh where necessary.
2. Apply 1 coat Terrabond SP Primer.
3. Fix spot guides to achieve a level surface.
4. Spray apply Sprayplaster™ BC & CM mix (mixing ratio 1:1) and level smooth using levelling board.
5. Allow to dry over night.
6. Cure for 48 – 72 hours using mist spray of water.
7. Apply 2 coats of Sprayplaster™ FC and level using steel edged spatula.

1. Fix stainless steel micro angle beads & fibreglass mesh/stainless steel metal lath where necessary.
2. Apply 1 coat Terrabond SP Primer.
3. Fix spot guides to achieve a level surface.
4. Spray apply Sprayplaster™ BC & CM mix (mixing ratio 1:1) and level smooth using levelling board.
5. Allow to dry over night.
6. Cure for 48 – 72 hours using mist spray of water.
7. Application should not be done when temperatures are too high (>40°C) and/or in very windy conditions.



Spray apply Sprayplaster™ DP mix



Level the surface

2. WALL SYSTEMS

**SYSTEM:
DRY POWDER
Sprayplaster™ DP**

**SURFACE:
BLOCK WALL**

INTERNAL WALLS:

1. Fix micro angle beads & fibreglass mesh where necessary.
2. Fix spot guides to achieve a level surface.
3. Pre-wet surface prior to application. For Aerated Autoclaved Concrete (AAC) apply 1 coat Terrabond A Primer diluted (1:5 water) and allow to dry over night.
4. Spray apply Sprayplaster™ DP mix (mixing ratio 5:1 water) to the required thickness and level smooth using levelling board. Generally a thickness of 8mm – 20mm per coat.
5. For application thickness in excess of 20mm, 2 coats of Sprayplaster™ DP must be applied, first coat 15mm and scratch the surface to provide key for second coat. The total thickness should not exceed 30mm. Allow first coat to dry before applying second coat.
6. Allow to dry for 24 hours.
7. Cure for 48 – 72 hours using mist spray.
8. Apply 2 coats of Sprayplaster™ FC and level using steel edged spatula.

EXTERNAL WALLS:

1. Fix stainless steel micro angle beads & fibreglass mesh / stainless steel metal lath where necessary.
2. Fix spot guides to achieve a level surface.
3. Pre-wet surface prior to application. For Aerated Autoclaved Concrete (AAC) apply 1 coat Terrabond A Primer diluted (1:5 water) and allow to dry over night.
4. Spray apply Sprayplaster™ DP mix (mixing ratio 5:1 water) to the required thickness and level smooth using levelling board. Generally a thickness of 8mm – 20mm per coat.
5. For application thickness in excess of 20mm, 2 coats of Sprayplaster™ DP must be applied, first coat 15mm and scratch the surface to provide key for second coat. The total thickness should not exceed 30mm. Allow first coat to dry before applying second coat.
6. Allow to dry for 24 hours.
7. Cure for 48 – 72 hours using mist spray.
8. Application should not be done when the temperatures are too high (>40°C) and/or in very windy conditions.

**SURFACE:
CONCRETE
WALL**

1. Fix micro angle beads & fibreglass mesh where necessary.
2. Apply a rush coat of Terraco Keybond and allow to dry over night.
3. Fix spot guides to achieve a level surface.
4. Spray apply Sprayplaster™ DP mix (mixing ratio 5:1 water) to the required thickness and level smooth using levelling board. Generally a thickness of 8mm – 20mm per coat.
5. For application thickness in excess of 20mm, 2 coats of Sprayplaster™ DP must be applied, first coat 15mm and scratch the surface to provide key for second coat. The total thickness should not exceed 30mm. Allow first coat to dry before applying second coat.
6. Allow to dry for 24 hours.
7. Cure for 48 – 72 hours using mist spray of water.
8. Apply 2 coats of Sprayplaster™ FC and level using steel edged spatula.

1. Fix stainless steel micro angle beads & fibreglass mesh / stainless steel metal lath where necessary.
2. Apply a rush coat of Terraco Keybond and allow to dry over night.
3. Fix spot guides to achieve a level surface.
4. Spray apply Sprayplaster™ DP mix (mixing ratio 5:1 water) to the required thickness and level smooth using levelling board. Generally a thickness of 8mm – 20mm per coat.
5. For application thickness in excess of 20mm, 2 coats of Sprayplaster™ DP must be applied, first coat 15mm and scratch the surface to provide key for second coat. The total thickness should not exceed 30mm. Allow first coat to dry before applying second coat.
6. Allow to dry for 24 hours.
7. Cure for 48 – 72 hours using mist spray of water.

For porous substrates use a solution of Terrabond A diluted 1: 5 with water. Please consult the relevant Technical Data Sheets prior to using Terraco Sprayplaster™. Consult your nearest Terraco representative for technical queries and support prior to application.

APPLICATION MACHINERY

Terraco recommends spray equipment designed to pump dense plaster mortars.

SPRAY MACHINE		COMPRESSOR	
Through put	7 – 15 ltr/min	Air Supply	500 ltr/min
Pump Pressure	Max 12 bar	Working Pressure	8 - 10 bar
Hopper Capacity	50 – 75 ltr	Number of Cylinders	2
Hose Length	10, 15 or 30 meter	Tank	18 ltr



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