



**//// TERRACO®**



# Sprayplaster

QUALITY SURFACE PREPARATION COMPOUNDS





**For over 40 years, Terraco has been developing innovative and class leading sustainable solutions for the construction industry. We believe in working closely with customers to accomplish projects together. We are committed to help customers, build better structures and better buildings.**

Terraco's values of Innovation, Excellence and Life are at the core of the company's thought process. With a clear purpose of helping customers build better, Terraco continuously strives to create solutions that are innovative and sustainable.

Established in 1980, Terraco is a leader in formulation and production of environmentally friendly building materials across 75 countries. Since its founding, Terraco has focused on sustainability and producing only water-based, low or ultra-low VOC products that are in compliance with international standards.

Terraco Group operates 34 companies and 20 factories, and has over 250 million square meters of product applied annually.

## **WE BELIEVE IN SOLUTIONS**

We believe in sustainable tailor-made solutions by working closely with customers to understand their perspectives and needs. The aim is not just problem solving but also to ensure the solutions created do not impact other aspects of the ecosystem that we live in.

## **WE BELIEVE IN INNOVATIONS**

We are committed to delivering continuous innovations. These innovations are spearheaded by the Terraco Technical Centre in Ireland, which coordinates the effects of all technical personnel across the group, driving cooperation with international technology partners and conducting joint research projects. This enables us to stay one step ahead of the competition and to address future challenges.

## **WE BELIEVE IN SUSTAINABILITY**

We are driven to build a sustainable world, with a clear commitment to future generations. 100% of our products are water-based – keeping living spaces free from harmful chemicals and emissions. Our Exterior Insulation Finishing Systems (EIFS) considerably reduce heating and cooling effect consumption. And our flooring solutions using recycled materials reduce environmental waste. We believe in sustainability through better products for a better world.

# **Terraco. Build Better**





**//// TERRACO®**

**//// BUILD  
BETTER**

[www.terraco.com](http://www.terraco.com)



# Why choose Sprayplaster?

## Sprayplaster™

It is a range of high quality plasters, sprayed or manually applied. These ready-mixed polymer modified cementitious plasters are for interior and exterior use and are applied on walls and ceilings. Sprayplaster is manufactured using precisely graded fillers in accurate particle size distribution curve to ensure a crack free and even finish. Unlike traditional cement plasters, these products have in-built flexibility for better crack resistance, increasing structural durability.



### Cost and time saving

Terraco Sprayplaster are designed as light weight for fast application. A team of 4 applicators with one spray machine can achieve more than 500 sqm of finished surfaces of skimcoating per day and more than 250 sqm of finished wall surfaces of thick coat application, subject to layout and availability of prepared surfaces.

### Easy application

The excellent workability of the plaster makes it easy to mix, apply and level the compound resulting in faster job completion without compromising quality.

### Other features & benefits

- » Reduces cracking
- » Flexibility
- » No wastage
- » No priming required
- » Excellent adhesion
- » Reduced curing time (Mist curing)
- » Weight reduction
- » Environmentally friendly
- » Non hazardous



## Product range & technical details

Manual or spray applied ready-mix levelling plaster, basecoat and finishcoat for walls and ceilings.

### • Sprayplaster BC (basecoat)



INTERNAL

Acrylic based basecoat filler finished with Sprayplaster finishing products.

#### Interior application:

- » Used on all common types of 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.
- » Ideal for solid surfaces of pre-cast concrete (particularly ceilings), aerated concrete, sand / cement, fair-faced and level brickwork.

#### Technical Details:

Colour:	Brown
Consumption Rate:	1.75kg/m <sup>2</sup> /mm
PH Value:	8-9
VOC:	<5 g/L
Packaging:	25kg plastic bags
Storage:	9 months in original unopened containers.



### • Sprayplaster FC (finishcoat)



INTERNAL

Acrylic based finishcoat that does not require primer and further wall filler prior to painting.

#### Interior application:

- » Acrylic based finishcoat that does not require primer and further wall filler (putty, stucco etc.) prior to painting.
- » Only 1-2 coats of paint is required when using Terraco paints. Use on all interior areas requiring upto 3mm thickness.
- » Can be left uncoated when applied to ceilings for beautiful fine spray texture without the needs for further painting work.

#### Technical Details:

Colour:	Natural White
Consumption Rate:	1.80kg/m <sup>2</sup> /mm
PH Value:	8-9
VOC:	<5 g/L
Packaging:	25kg plastic bags
Storage:	9 months in original unopened containers.



### • Sprayplaster WB (washable)



EXTERNAL

Specially formulated water-resistant version of Sprayplaster FC for damp areas.

#### Interior & soffit application:

- » Used 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.

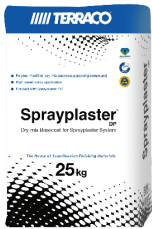
#### Technical Details:

Colour:	Natural White
Consumption Rate:	1.80kg/m <sup>2</sup> /mm
PH Value:	8-9
Packaging:	25kg plastic bags
Storage:	6 months in original unopened containers.





### • Sprayplaster Basecoat DP (dry powder)



INTERNAL & EXTERNAL

Basecoat plaster that requires simple mixing with water.

#### Interior & exterior application:

- » Suitable for common cementitious substrate, including wet areas, where average plaster thickness will exceed 8mm - 15mm of base plaster.
- » Can be applied in maximum thickness upto 30mm in multiple coats.

#### Technical Details:

Colour:	Grey
Consumption Rate:	1.6 kg/m <sup>2</sup> /mm
Mix Ratio:	25kg powder: 4.5 - 5 ltr water
VOC:	<1 g/L (USEPA 24)
Packaging:	25kg plastic bags
Storage:	12 months in original unopened containers.



### • Sprayplaster CM (cement modifier)



INTERNAL & EXTERNAL

Cement based modifier added to Sprayplaster BC for extra hardness and enhanced water-resistance.

#### Interior & exterior application:

- » With this addition (in a mixing ratio of 1:1 with Sprayplaster basecoat) Sprayplaster 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.
- » Can be sprayed in thickness of upto 15mm per single coat application.

#### Technical Details:

Colour:	Grey
Mix Ratio:	25kg powder: 5 ltr water
Binder:	Hydraulic
Packaging:	25kg paper bags
Storage:	12 months in original unopened containers.



#### Application machinery:

##### Spray machine

Through put	7-15 ltr/min
Pump pressure	Max 12 bar
Hopper capacity	50 - 75 ltr
Hose length	10, 15 or 30 meter

##### Compressor

Air supply	500 ltr/min
Working pressure	8 - 10 bar
Number of cylinders	2
Tank	18 ltr
3 phase	380 volt



# How to use:

## Ceiling



### ● Concrete Ceilings

#### Internal ceiling:

1. Apply 1 coat of Terraco Sprayplaster TM BC at joints. If the ceiling requires levelling, apply Terraco Sprayplaster TM BC to the entire ceiling and level it to a smooth finish. The thickness should not exceed 10mm & 5mm per coat.
2. Apply 2 coats of Terraco Sprayplaster TM FC and level it with steel edge spatula.
3. And if texture is required: spray apply 1 coat of Terraco Sprayplaster TM FC to the required texture.

#### External ceiling:

1. Apply 1 coat Terraco Terramix Fine (White) / Terramix Standard SP at Joints. If the ceiling requires levelling, apply Terraco Terramix Fine (White) / Terramix Standard SP to the entire ceiling and level it to a smooth finish.
2. Apply 2 coats of Terraco Handycoat Exterior and level with steel edge spatula.
3. And if texture is required: spray apply 1 coat of Terraco Handycoat Exterior to the required texture.

### ● Hourdy Ceilings

#### Internal 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 of Terraco Sprayplaster FC and level with steel edge spatula.
4. And if texture is required: Spray apply 1 coat of Terraco Sprayplaster FC to the required texture.

#### External ceiling:

1. Apply 1 coat Terraco Terramix Standard SP to the blocks.
2. Apply 1 coat Terraco Terramix Standard SP to the entire ceiling and level smooth.
3. And if texture is required: Apply 2 coats of Terraco Handycoat Exterior and level with steel edge spatula.
4. And if texture is required: Spray apply 1 coat of Terraco Handycoat Exterior to the required texture.

### ● Precast Ceilings

#### Internal ceiling:

1. Apply Terraco Terramix Standard SP or Styrobond DP HB to fill the V-joints.
2. Apply Terraco Sprayplaster BC at joints.
3. Apply 2 coats Terraco Sprayplaster FC and level with steel edge spatula.
4. And if texture is required: Spray apply 1 coat of Terraco Sprayplaster FC to the required texture.

#### External ceiling:

1. Apply Terraco Terramix Standard SP or Styrobond DP HB to fill the V-joints.
2. Apply Terraco Terramix Standard SP at joints.
3. Apply 2 coats Terraco Handycoat Exterior and level with steel edge spatula.
4. And if texture is required: Spray apply 1 coat of Terraco Handycoat Exterior to the required texture.

**Note:** It is recommended to use a coat of Terraco Terrabond A (1:3 diluted with water) before filling the V-joints.



## How to use:

### Wall

- **Ready mix system - Sprayplaster BC and Sprayplaster FC**

For internal walls (dry areas)

**Surface: Blockwall**

1. Fix micro angle beads and Terramesh SP 145gsm-fibreglass mesh where necessary.
2. Pre-wet the surface prior to application.
3. Fix spot guides to achieve a level surface.
4. Apply Spraypalster BC upto a maximum thickness of 5mm/coat (to a maximum thickness of 10mm in multiple coats with 16 hours drying time between coats) and level smooth using levelling board.
5. Allow to dry over night.
6. Apply 2 coats of Sprayplaster FC and level using steel edged spatula.

**Surface: Concrete**

1. Fix micro angle beads and Terramesh SP 145gsm-fibreglass mesh where necessary.
2. Fix spot guides to achieve a level surface.
3. Apply Spraypalster BC upto a maximum thickness of 5mm/coat (to a maximum thickness of 10mm in multiple coats within 16 hours drying time between coats) and level smooth using levelling board.
4. Allow to dry over night.
5. Apply 2 coats of Sprayplaster FC and level using steel edged spatula.





## ● Dry powder system - Sprayplaster DP

### For block wall surface

#### Internal wall

1. Fix micro angle beads and fibreglass mesh (Terramesh SP 145gsm) where necessary.
2. Fix spot guides to achieve a level surface.
3. Pre-wet the 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 of water 3 times a day.

**Recommended:** Apply 2 coats of Sprayplaster FC (for dry areas) and level using steel edged spatula.

#### External wall

1. Fix stainless micro angle beads and stainless steel metal lath where necessary.
2. Fix spot guides to achieve a level surface.
3. Pre-wet the 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 of water 3 times a day.

#### Recommended to use:

- » Use GI/SS - (316 grade only) metal lath instead of fibre glass mesh if thickness >15mm.
- » 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.
- » Keybond: allow to dry overnight, then mist cure with water for 48 hours after curing allow to dry further 48 - 72 hours before application of Sprayplaster Basecoat DP. Consult your nearest Terraco representative for technical queries and support prior to application.

### For concrete wall surface

#### Internal wall

1. Fix micro angle beads and fibreglass mesh (Terramesh SP 145gsm) where necessary.
2. Apply a rush coat of Terraco Keybond and allow to dry for 72 hours.
3. Fix spot guides to achieve a level surface.
4. Spray apply Sprayplaster DP mix (mixing ratio 5:1 water) 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 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 3 times a day.

**Recommended:** Apply 2 coats of Sprayplaster FC (for dry areas) and level using steel edged spatula.

#### External wall

1. Fix stainless micro angle beads and stainless steel metal lath where necessary.
2. Apply a rush coat of Terraco Keybond and allow to dry for 72 hours\*.
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 3 times a day.

#### Recommended to use:

- » Use GI/SS - (316 grade only) metal lath instead of fibre glass mesh if thickness >15mm.
- » 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.
- » Keybond: allow to dry overnight, then mist cure with water for 48 hours after curing allow to dry further 48 - 72 hours before application of Sprayplaster Basecoat DP. Consult your nearest Terraco representative for technical queries and support prior to application.





# Sprayplaster™

Sprayplaster products are thin coat application that significantly reduce dead weight to buildings - 10mm of Sprayplaster will weigh approx. 18 kg/m<sup>2</sup> while a traditional plaster, applied at the typical minimum thickness of 15mm, will weigh approx. 33 kg/m<sup>2</sup>. A weight reduction of 45%.

Terraco revolutionary Sprayplaster system is the ideal solution for large scale fast-track projects or far any other project - where cost, time and quality are important factors.

Pictures shown are some of our flagship projects in the UAE.







LULU MALL DUBAI SILICON OASIS, DUBAI, UAE



JUMEIRAH BEACH RESIDENCES (JBR), DUBAI, UAE



[www.terraco.com](http://www.terraco.com)

SWEDEN • UK • IRELAND • RUSSIA • TURKEY • ALGERIA • EGYPT  
SOUTH AFRICA • JORDAN • UAE • THAILAND • VIETNAM • CHINA • KOREA