

## TECHNICAL DATASHEET

# JOINT COMPOUND – LOW VOC

### PRODUCT DESCRIPTION

A low VOC ready to use filler for interior applications. It is suitable for the smoothing of uneven rough surfaces as well as filling pores, cracks and surface imperfections. It can also be used to conceal the joints, texture surfaces such as old plaster, masonry or gypsum wallboard.

### ENVIRONMENTAL STANDARDS & VOC REQUIREMENTS

This paint conforms to environmental standards, is free of toxic materials, solvents and has a VOC content value <1% complying with **ASTM D2369-20**

### PRODUCT BENEFITS

- 1- Non-toxic, odorless product.
- 2- Non-flammable product.
- 3- Free of lead, mercury, asbestos, hexavalent chromium, solvents & hazardous air pollutants.
- 4- Easy and Rapid application.
- 5- Great resilience & hardness finish.
- 6- Great adhesion, durability.
- 7- High resistance to cracking.
- 8- Fast drying.
- 9- For internal use.
- 10- Adapted for all kind of substrates except polystyrene & paper walls.

### RECOMMENDED USES

It can be applied directly without the need of a primer. This product is designed to prepare internal gypsum surfaces and to fill joints between gypsum boards as well as any concrete wall surface to achieve a very smooth finish ready for coating.

## CHEMICAL AND PHYSICAL PROPERTIES

### Physical Properties

Physical State Paste  
Appearance Matt Finish  
Color Range See Catalogue

Temperature 25°C  
Viscosity 230- 240 poises  
Specific Gravity, ISO 2811  $1.7 \pm 0.05$  g/cm<sup>3</sup>

Drying Time, ASTM D5894 1- 2 Hours  
Wet Film Thickness, ISO 2808 500 µm  
Dry film Thickness, ISO 2808 240 µm  
Recoat Time Overnight  
Coverage 12-15 m<sup>2</sup> per US gallon

### Chemical Properties

% Solids by Weight 72±2 %  
% Solids by Volume 49±2 %  
Very low VOC <1%

## PREPARATION

Prepare the substrate as mentioned below.

Rigid Surfaces should be cleaned, dust free, and free from all traces of oil and laitance.

No need for chipping or primer coat if surfaces are sound.

Alkaline and acid surfaces should be cleaned and neutralized.

Surfaces with previous coating, blistered paints or with chalk should be cleaned by scrapers or roughened with sand paper.

## PRIMING

Prime the substrate as mentioned below:

Apply HAPPY WALL Sealer as primer for unpainted surfaces.

Apply HAPPY WALL undercoat for Chalking surfaces.

## THINNING

Thin the product as mentioned below:

For hand application: no need to thin

For Spray application: use a special type of spray machine.

## **APPLYING**

The application of join compound depends on the surface porosity.

Fills up easily the joints up to 5 – 6 mm between boards.

Clean tools and equipment with water immediately after use.

This product can also be used on semi-external substrate by adding cement and a little quantity of water for consistency.

## **PACKING**

In cylindrical tin containers of the following capacities:

- 1 US gallon = 3.78 L.
- 1Pail (5 U.S.G.) = 20L

## **STORAGE**

Avoid frost & excessive heat.

The technical information contained in this Technical Data Sheet is to be understood as advice only and not binding in any respect.  
All details about working with our products should be adapted to prevailing local conditions and materials used.