

TECHNICAL DATASHEET

Happy- Bond Waterproof LOW VOC

PRODUCT DESCRIPTION

Happy-Bond is a low VOC water-based acrylic paint for waterproofing interior walls and exterior masonry. Its high water repellency and excellent resistance to mold and mildew makes it ideal for surfaces subject to high humidity.

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- Eco-friendly and Odorless
- 2- Can be used in hot and humid climates
- 3- High resistance to weather conditions and ultra violet light
- 4- High water repellency
- 5- Excellent water resistance
- 6- Excellent adhesion
- 7- High elasticity
- 8- Highly resistant to most atmosphere pollutants
- 9- High alkali resistance

RECOMMENDED USES

For all interior and exterior porous concrete and masonry surfaces including basement and retaining walls, masonry walls, cinder and concrete blocks, stucco, brick, foundations and landscape walls. Ideal for surfaces where high-water resistance is required.

Can be used on slightly damp surfaces.

SURFACE PREPARATION

All surfaces should be clean, dry and free from oil, grease and loose materials.

Water blast cleaning is the preferred method of preparation and special attention should be paid to moss and lichen, these areas should be treated with Fungicidal Wash.

Oil and grease should be removed.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Physical State Viscous Liquid

Appearance White, Clear

Odor None

Temperature 25°C

Relative Humidity 60%

Specific Gravity, ISO 2811 1.1-1.2 g/cm³

Viscosity, ISO 2884	White	Clear
	20- 23 Poises	14-17 Poises

Drying Time, ASTM D5894 2-4 hours

Recoat Time 4-6 hours

Coverage 12 m² per US gallon per one coat

Sag Resistance, ASTM D3730 Excellent

Leveling, ASTM D2801 Excellent

Chemical Properties

Solids by Weight 50-55%

Solids by Volume 43-46%

Very low VOC <1%

PRIMING/ THINNING/ APPLYING

As a self- Primer, thin the 1st coat with clean water with a dilution of 50% to fill the pores and holes. Apply a second coat with a dilution of 20%. Thickness of paint films depends on condition of surface.

For exterior very humid areas, prime the surface with one coat of Happy Wall EMP with a 35-40 % dilution with White Spirit to improve adhesion on humid surfaces.

Clean tools and equipment with water immediately after use.

PACKING

In cylindrical tin containers of the following capacities:

- 1 US Quart = 0.95 L.
- 1 US gallon = 3.78 L.
- 1 Pail (5 U.S.G.) = 20L

STORAGE

1 year under normal storage conditions from the issue date.
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.