

# Double Duty® Hard Wall Plasters

Double Duty® Hard Wall Plaster is designed to offer the characteristics and advantages of several products in one stocking unit. When properly mixed at the job site it can be used as the basecoat in two-coat interior plastering and for both the scratch and brown coats in three-coat work.

Greater wet cohesion and bonding capabilities minimize droppings, provide maximum coverage and make Double Duty suitable for use over nearly any approved backing.

Whether applied by hand or machine, it is formulated to maintain plasticity and workability. It can be pumped easily at the lowest possible hose pressure without clogging. All of these features add up to flexibility, lower costs and quality results.

**PACKAGING AND STORAGE:**

Double Duty Hard Wall Plaster is available in 50 and 100 pound bags. Any unmixed plaster should be stored in the bag in a dry, temperate location where there can be no contact with the ground or concrete surfaces.

**PRODUCT SPECIFICATIONS**

**PHYSICAL PROPERTIES:**

Double Duty Hard Wall Plaster meets or exceeds the physical property requirements specified in ASTM C 28.

**APPEARANCE:** White to tan powder

**SHELF LIFE:** 6 months from date of manufacture

**DRY WEIGHT:** 120pcf (1,922 Kg/m³) Sand Aggregate  
55pcf (881 Kg/m³) Perlite Aggregate

**DRYING**

**TEMPERATURE:** 60° - 80°F (16° - 27°C)

**TECHNICAL REFERENCES:**

For additional information on the application and finishing of gypsum plasters consult:

Gypsum Association Fire Resistance Design Manual

- ASTM C 11
- ASTM C 28
- ASTM C 35
- ASTM C 842
- Plastering and Lathing Systems Manual – 3rd edition, by Gorman, Jaffe, Prutin and Rose, BNI Books, Division of Building News, Inc.
- Plastering Skills – by Branden and Hartsell, American Technical Publishers, Inc. (Homewood, Illinois 60430)
- A BPB Gypsum Sales Representative

**WORKING WITH THE PRODUCT**

**PREPARATION AND USE:**

**HAND MIXING**

To ensure a uniform product consistency when hand mixing, it is important to first dry blend the plaster and aggregate in the mortar box. If damp sand is used it must not be allowed to stand with the plaster before water is added. Using a hoe, thoroughly blend the dry mixture with clean, drinkable water.

**MACHINE MIXING**

With the agitator running the approximate amount of water should be added first, followed by half the aggregate and all of the required dry plaster. As this is being mixed, the remaining aggregate and any additional water can be added. Stirring should continue until all the ingredients are blended to the proper consistency.

For either hand or machine mixing all tools and equipment must be cleaned between batches.

**APPLICATION:**

**TWO-COAT APPLICATION**

For two coat work in which Double Duty Hard Wall Plaster will act as the basecoat the following procedures will help achieve the best results:

The first layer of Double Duty should be applied with enough material to cover well and with sufficient pressure to form a good bond with the backing. Before this has set and without raking the surface, additional material of the same proportions should be doubled back over the first layer and leveled with a rod and darby. Cross raking or scratching the second layer will provide a good mechanical key for reception of the finish coat.

**THREE-COAT APPLICATION**

For three coat applications where Double Duty will be used as both the scratch (first) and brown (second) coats, the following steps are recommended:

A scratchcoat must be applied to cover well over the backing. In the case of metal lath, the depth should be no less than 3/16". Before setting, it is necessary to scratch the surface of this layer to a rough finish. The brown coat can be applied once the scratch coat has set firm and hard. After straightening to a true surface with a rod and darby, it must also be cross raked or scratched to form a good mechanical key for the finish coat.

**SUBMITTAL APPROVAL STAMPS/SIGNATURES**

<b>SUBMITTAL APPROVAL STAMPS/SIGNATURES</b>	
Date:	Project:



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## OTHER RECOMMENDATIONS

- Only three-coat work should be used over metal lath.
- When plastering over masonry, it is necessary to first wet the surface to minimize sucking and shrinkage.
- In hot weather, openings should be screened to prevent dryouts. During cold weather, adequate heating and ventilation must be provided.
- Topcoat should be applied before basecoat completely dries. If basecoat has dried out you must soak before applying topcoat.

## LIMITATIONS:

1. Double Duty Hard Wall Plaster should not be used where it will come into direct contact with water or excessive moisture.
2. This product is not recommended for application over monolithic concrete unless a bonding agent is first applied.
3. Additional water must not be added to plaster that has started to set.

Plaster Base	Number of Coats	Type of Coats	Aggregate Additives <sup>(1)</sup>			Approximate Coverage-Square Yards Per Ton of Plaster <sup>(3)</sup> (m <sup>2</sup> /metric ton)
			Sand <sup>(2)</sup> Cubic Ft.	Lbs.	Perlite Cubic Ft.	
Gypsum Lath	2	Base	2.5	250	2	190 - 220 (175-203 m <sup>2</sup> /metric ton)
	3	Scratch, Brown or Both	2	200	2	
			3	300	2*	
Metal Lath	3	Scratch, Brown or Both	2.5	250	—	100 - 130 (92-120 m <sup>2</sup> /metric ton)
			2	200	2	
			3	300	2*	
Unit Masonry	2	Base	3**	300	3	165 - 200 (152-184 m <sup>2</sup> /metric ton)
	3	Scratch, Brown	3**	300	3	
			3**	300	3	

(1) Sand or lightweight aggregates must conform to ASTM C 35.

(2) Six #2 shovels of loose, damp sand are equivalent to one cubic foot.

(3) Coverage is based on plaster sanded 2:1 in square yards per ton when applied 1/2" thick.

\* Where plaster is 1" or more in thickness, the proportions for the brown coat may be increased to three cubic feet.

\*\* Over high suction unit masonry the proportion of sand may be increased to four cubic feet.

## WARRANTY:

Since methods and condition of application such as temperature, humidity and over thinning are beyond our control, BPB America Inc. (BPB) will not be responsible for the failure of this product when not used according to directions and specifications and accepted standards of procedure inherent in plaster application; or when reasonable allowance is not made by the user for adverse weather and job conditions. However, if this product proves to be defective, maximum liability shall be limited to replacement of the material only or refund of the purchase price. This shall be the full limit whatsoever of BPB's liability. All claims shall be submitted in writing to BPB within thirty days from the date of discovery. State or federal laws may provide rights in addition to this warranty that cannot be modified or excluded.

## USA

**BPB America Inc.**  
5301 West Cypress St., Suite 300  
Tampa, FL 33607  
Toll Free: +1-866-4 BPB USA  
(1-866-427-2872)  
Fax: +1-800-829-1422  
E-mail: [crc@bpb-na.com](mailto:crc@bpb-na.com)  
Web: [www.bpb-na.com](http://www.bpb-na.com)

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