



PAINT ESTIMATING ASSIGNMENT

INDS-11315 – MATERIALS, METHODS
AND ESTIMATING

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Part A – Specifications

Wall Paint

Manufacturer: Sherwin Williams

Type of Paint: Acrylic Latex

Finish: Eg-Shel

Name of Paint: Cashmere Acrylic Latex

Interior Paint

Name of Color: Network Gray

Color Number: SW 7073

Special Instructions: Two Coats of paint

SW 7073

Network Gray

Interior / Exterior

Location Number: 235-C3

Justification

Cashmere Acrylic latex paint gives walls an elegant look, perfect for the Spencer's master bedroom. This smooth paint glides on for easy application with a total coverage of 350 – 400 sq.ft. Eg-Shel finish provides a silky rich look and feel while also featuring a scrubbable surface. This is great for a home with three lively kids where touch-ups are common. Network Gray is a part of Sherwin William's Living Well – Unplug collection. The living well collection's goal is to invite a sense of comfort, style, and well-being into the home. Network Gray is a calm and elegant color, helping to create a comfortable refuge for the Spencer's master bedroom.

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Part A – Specifications

Trim and Door Paint

Manufacturer: Sherwin Williams

Type of Paint: Oil-Based

Finish: Gloss

Name of Paint: All Surface Enamel
Oil Base

Name of Color: Extra White

Color Number: SW 7006

Special Instructions: Two Coats of paint

SW 7006

Extra White

Interior / Exterior

Location Number: 257-C1

Justification

All Surface Enamel paint is designed for use on interior and/or exterior. It can be used on multiple surfaces such as wood, metal, and drywall. This high-gloss paint is weather and wear resistant, maintaining its sheen and color despite repeated use. This durability is perfect for doors and trim. A tough protective layer like oil-based paint makes cleaning easier and can hold up with the constant wear and tear of a bedroom. Extra White is bright contrast to Network Gray and will stand out beautifully against the gray walls.

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Part B – Calculations

Paint Worksheet

Step 1: Perimeter

Wall A: 5'-7¾"

Wall B: + 14'-11"

Wall C: + 3'-4½"

Wall D: + 2'-11½"

Wall E: + 15'-7½"

Wall F: + 11'-3¼"

Wall G: + 2'-9"

Total Perimeter 1: 56'-6½"

Wall H: 2'-6"

Wall I: + 6'-7"

Wall J: + 2'-6"

Total Perimeter 2: 11'7"

Step 2: Square Footage

Total 1: 56'-6½"

Height: x 10'-0"

Sq.ft: 565.4167 sq.ft.

Total 2: 11'7"

Height: x 9'-0"

Sq.ft.: 104.25 sq.ft.

Total Square Feet: 669.6667 sq.ft.

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Step 3: Deductions

1) Width of opening w/ same height: 2'-6"

Width of opening w/ same height: + 2'-6"

Width of opening w/ same height: + 2'-6"

Width of opening w/ same height: + 5'-0"

Total width of openings: 12'-6"

Multiply by height: x 8'-0"

Sq.ft.: 99.3333 sq.ft.

2) Width of opening w/ same height: 4'-0"

Width of opening w/ same height: + 4'-0"

Width of opening w/ same height: + 2'-6"

Total width of openings: 10'-6"

Multiply by height: x 9'-0"

Sq.ft.: 94.5

Total Square Footage: 193.8333 sq.ft.

Step 4: Square Footage of Paint

Total from step 2: 669.6667 sq.ft.

Total from step 3: - 193.8333 sq.ft.

Total sq.ft. for 1 coat: 475.8334 sq.ft.

Total anticipated coats: x 2

Total square feet of paint needed: 951.6668 sq.ft.

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Step 5: Gallons of Paint Needed

Total from step 4: 951.6668

Sq.ft. of coverage/gallon: 350 – 400 sq.ft.

Total gallons of paint needed: 2.38

Round up to full gallon: 3 gallons

Questions

- **What is the total amount of sq. footage to be covered?**
475.8334 sq.ft.

- **How many coats are needed?**
2 coats

- **How many square feet of surface will one gallon of your specified paint cover?**
350 – 400 sq.ft.

- **Based on a per gallon price of \$39.99, what is the bet net cost of the paint for this job?**
\$119.97

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Bonus Calculation

- Using the cost of the paint calculated above and the pricing details below, estimate the total cost to paint the walls to the client.

Labor: $119.97 + 450 = 569.97$

Designer $119.97 \times 0.30 = 35.991$

Markup: $569.97 + 35.991 = 605.961$

Sales Tax: $119.97 \times 0.0825 = 9.896$

$605.961 + 9.896 = 615.859$

Total Cost: \$615.86