


# Home Depot vs Lowes

"Hey there, I want to re-title backsplash. What products would I need?"



**Backsplash Tiles:**


- 1. Design is Personal Dip peel and stick tile backsplash: Copper Bronze, 10 sq ft coverage, easy peel and stick installation, moisture and heat resistant.
- 2. Prime Source 4-in Espresso Backsplash Panels: Peel and stick, stain/fade/mold/mildew resistant, 3 sq.ft coverage.
- 3. TILEZE Framed 18-1/2-in x 12-1/4-in Backsplash Tile Medallion: Fully assembled, stone frame with protective sealer, coordinates with Lowe's Chiaro trim.

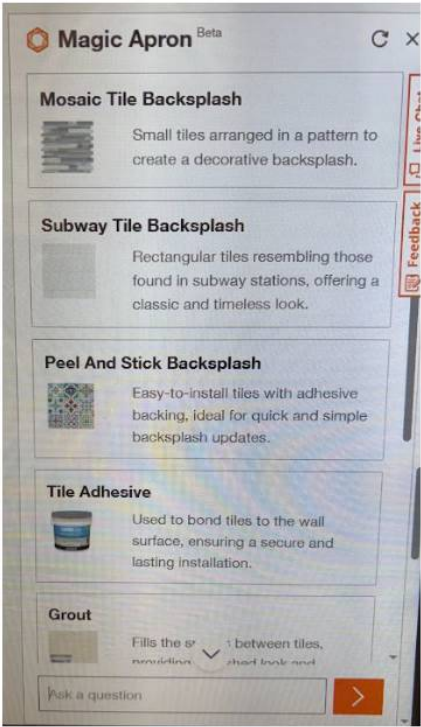
**Tile Adhesive:**

- 1. Armstrong Flooring VCT Floor Tile Adhesive: Can be used over cut-back adhesive residue, dries clear, 24-hour working time.
- 2. OSI RT600 Roof Tile Gray Solvent Exterior Construction Adhesive: Water-resistant, effective for clay and slate tiles, withstands high temperatures.
- 3. TEC Stick-N-Stay Sheet Vinyl and Carpet Tile Flooring Adhesive: All-in-1 adhesive, environmentally friendly, high tack, quick grab.

**Grout:**

- 1. [ColorFast Grout Colorant Bamboo 8-fl oz](https://www.lowes.com/pd/ColorFast-Grout-Colorant-Colorfast-Easy-clean-Grout-Color)





Feature	Lowe's LLM Response	Home Depot Magic Apron
Tiles	yes	yes
Adhesive	yes	yes
Grout	yes	yes
Tools	Not listed	yes
Basket Size	est 12 SKUs	est 10 SKUs
Layout Clarity	good, Text with markdown links	fair, HTML-styled UI cards with icons
Guided Prompt	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Shown: "What tools do I need?" etc.
Closer	<input type="checkbox"/> None, lack purchase persuasion....	<input type="checkbox"/> None
Photo Input	<input checked="" type="checkbox"/> Yes — accepts photo as input	<input type="checkbox"/> No — text-based interaction only

## Reasoning Model as a DIY Poroject Tool

- relevancy: delivering highly relevant and contextual response results
- CAC: lower CAC cust acquisition costs
- project: deliver project-contextual results
- omni channel: enable omni channel shopping experience
- conversion: optimize cart-based conversion rate success

## who are in the race?

Autotrader	<a href="#">accelerating our image labelling process</a>	2024	cv
Zillow	<a href="#">Navigating Fair Housing Guardrails in LLMs</a>	2024	llm generative ai
Faire	<a href="#">Fine-tuning Llama3 to measure semantic relevance in search</a>	2024	llm search generative ai
OLX	<a href="#">Extracting Job Roles in Job Ads: A Journey with Generative AI</a>	2024	llm generative ai
Mercado Libre	<a href="#">Beyond the Hype: Real-World Lessons and Insights from Working with Large Language Models</a>	2024	llm generative ai rag
Walmart	<a href="#">Augmentation Techniques for Imbalanced text Classification</a>	2024	ops
Shopify	<a href="#">How Shopify improved consumer search intent with real-time ML</a>	2024	search
Walmart	<a href="#">Using Predictive and Gen AI to Improve Product Categorization at Walmart</a>	2024	item classification llm generative ai
Walmart	<a href="#">Extracting Product Attributes from PDFs using PAE Framework</a>	2024	item classification generative ai llm
Etsy	<a href="#">Machine Learning in Content Moderation at Etsy</a>	2024	spam / content moderation
Walmart	<a href="#">Personalized 'Complete the Look' model</a>	2023	recommender system product feature cv
Zillow	<a href="#">Building the Neural Zestimate</a>	2023	pricing
Wayfair	<a href="#">Delivery-Date Prediction</a>	2023	eta prediction

<https://github.com/themanojdesai/genai-llm-ml-case-studies/blob/main/case-studies/by-industry/e-commerce-and-retail.md>

## Vimeo Video- Lowes

<https://www.lowesinnovationlabs.com/projects/lowe-s-product-expert>

## Lowe's OpenAI platform

GPT-4.1

GPT-4.1

Default

Flagship GPT model for complex tasks

Compare

Try in Playground

INTELLIGENCE

Higher

SPEED

Medium

PRICE

\$2 - \$8

Input - Output

INPUT

Text, image

OUTPUT

Text

GPT-4.1 is our flagship model for complex tasks. It is well suited for problem solving across domains.

1,047,576 context window

32,768 max output tokens

May 31, 2024 knowledge cutoff

Pricing

Pricing is based on the number of tokens used. For tool-specific models, like search and computer use, there's a fee per tool call. See details in the [pricing page](#).

Text tokens

Per 1M tokens · Batch API price

Input

\$2.00

Cached input

\$0.50

Output

\$8.00

Quick comparison

Input Cached input Output

GPT-4o

\$2.50

GPT-4.1

\$2.00

o3-mini

\$1.10