

3

Materials



concrete

wire reinforced glass

tile

glass

lumber

steel



Bid Sheet

There are three types of glass we could use:

Standard Glass: \$4.50/square foot

I can give you a bid on **lumber** if you tell me what



Bid Sheet

There are three types of glass we could use:

Standard **Glass**: \$4.50/square foot.

Coated Glass: \$5.50/square foot.
Blocks ultraviolet light.

Wire **Reinforced Glass**:
\$6.75/square foot. Stronger and more decorative.

The following types of steel are available:

Standard **Steel**: \$50/square foot.

Stainless steel: \$75/square foot.
Does not rust.

I can give you a bid on **lumber** if you tell me what type you need.

We have several options for concrete and tiles:

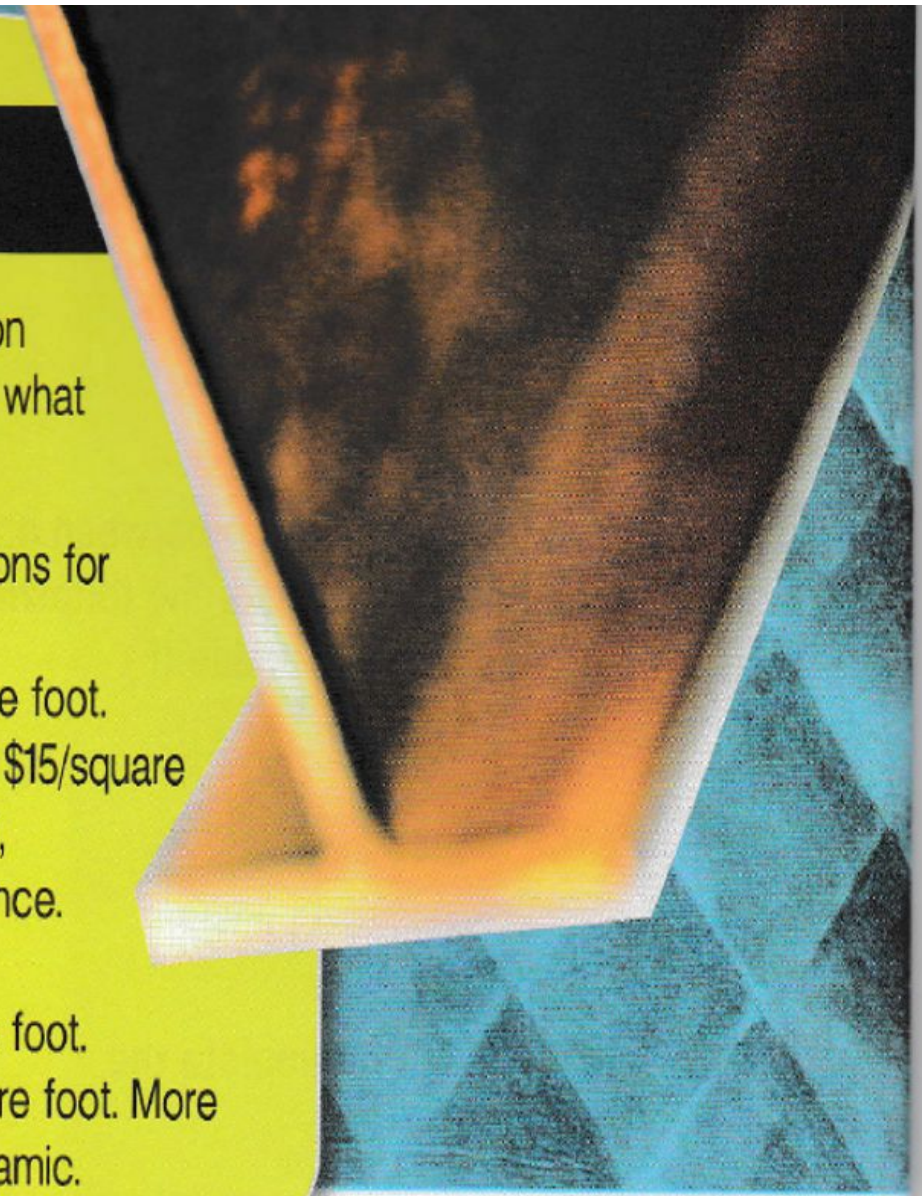
Concrete: \$8/square foot.

Textured concrete: \$15/square foot. Has a polished, decorative appearance.

Tiles:

Ceramic: \$7/square foot.

Porcelain: \$15/square foot. More decorative than ceramic.



Get ready!

1 Before you read the passage, talk about these questions.

- 1 What kinds of material are in your home?
- 2 How do engineers decide what materials to use?

Reading

2 Read this bid sheet from a construction company. Then, mark the following statements as true (T) or false (F).

- 1 Coated glass lets ultraviolet light in.
- 2 Stainless steel costs more than standard steel.
- 3 Ceramic tiles are less decorative than porcelain tiles.

Vocabulary

3 Write a word that is similar in meaning to the underlined part.

1 Most toilets are made of a high quality form of ceramic.

— — — c — — a — —

2 Steel that does not rust or stain stays shiny for a long time.

— — — i — l — — s s — e — —

3 The contractor needs wood that is used in construction.

— — m — — r


4 Sidewalks are a material made of cement and crushed rocks.

c — — c — — t —

4 Match the words (1-7) with the definitions (A-G).

- | | | |
|------------------|----------------|-------------|
| 1 ___ coated | 4 ___ ceramic | 7 ___ glass |
| 2 ___ reinforced | 5 ___ textured | |
| 3 ___ tile | 6 ___ steel | |

- A** covered by some type of material
B having details added to a surface
C a solid material made for materials such as clay
D a solid, transparent material used in windows
E a material that often covers walls or floors
F made stronger by some type of material
G a strong material made mostly from iron

5  **Listen and read the bid. How many types of concrete are available?**

Listening

6  **Listen to a conversation between two engineers. Choose the correct answers**

Speaking

8 **With a partner, act out the roles below, based on task 7. Then switch roles.**

USE LANGUAGE SUCH AS:

The estimate for the ... looks ...

Let's look at some alternative ...

It's really expensive.

Student A: You got a high estimate for a construction project. Talk to Student B about:

- estimate and budget
- material costs
- materials to use

Student B: You are an engineer. Answer Student A's questions.