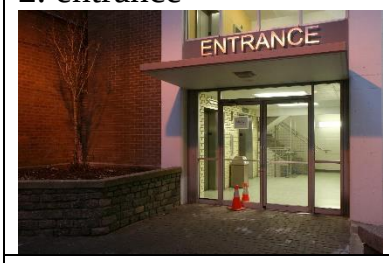
TYPES OF DOORS USED IN BUILDING CONSTRUCTION

6.1. Vocabulary

Ex. 1. *Match the words to their Russian equivalents.*

1. robust	a. сердцевинный [внутренний] пенопластовый слой (теплоизоляция)
2. entrance 	b. комната
3. doorways 	c. вход
4. foam core	d. прочный материал
5. soundproofing	e. дверные проемы
6. sturdy material	f. крепкий
7. chamber	g. звукоизоляция

Ex. 2. *Match the words to their definitions.*

1. resin	a. a small depression or hollow caused by pressure or impact on a surface
2. soundproofing	b. a material made of fine glass fibers woven into a cloth or mat, often used for insulation or reinforcement purposes
3. sliding shutter	c. a movable panel or cover that slides horizontally to open or close an opening in a wall or window
4. susceptible	d. a sticky substance that is used to make plastics, adhesives, and

	coatings
5. scratch	e. easily influenced or affected by something; sensitive to something
6. steel	f. the act or process of reducing or blocking sound from entering or leaving a space
7. dent	g. a mark or abrasion on a surface caused by rubbing or scraping against something rough
8. fiberglass	h. a strong metal alloy made primarily of iron and carbon, often used in construction and manufacturing

Ex. 3. *Complete the sentences with the following words:*

sturdy, soundproofing, entrance, fiberglass, foam, scratched

I found the _____(1) to the park easily.

_____(2) core is a great choice for insulation.

_____(3) will help us concentrate better.

_____(4) boats are very durable.

I accidentally _____(5) my phone screen.

A wooden table is a _____(6) material for furniture.

6.2. Reading

Ex. 1. *Read the text.*

Types of Doors Used in Building

There are many different types of doors on the market, each of which is classed based on the material, location, functioning of the door shutter, construction process, and arrangement of the doors.

A. Types of Doors Based on Materials:

1. Aluminum Doors:

Because of the security, beauty, and insulation features that aluminum doors provide are already the first-choice solution for contemporary

construction. Aluminum is a well–known fact for being a strong and sturdy material that requires little maintenance.

Aluminum is, without a doubt, a high-quality material. It has already been put to the test, and while it is a little pricey, it is one of the best options for doors. Aluminum doors are suitable for residential and commercial applications; they are ideal for glazing and glass fronts and provide a high–quality frame.

2. Steel Doors:

Steel doors can be found on the inside and outside of structures. For insulation, these doors have a steel face with a foam core. In comparison to other doors, they are quite durable. They may not have the same aesthetic appeal as a wooden or glass door.

Steel doors are commonly found in commercial structures. Steel doors have a stronger outer layer than other doors, making them more robust.

3. PVC Doors:

PVC (polyvinyl chloride) or polyvinyl chloride (PVC) doors are popular for bathroom doors. These lightweight doors help you save time and money by reducing the amount of labor you do. These painted wooden doors are low-maintenance due to the absorbent, natural fibers of the wood. If you choose PVC shower doors, you will discover that they are easy to install and clean.

4. Glass Doors:

Glass doors are stylish and bring beauty and richness to your home. They create a direct passage to light in your home. Cut glass panels placed into timber frames make an attractive alternative to traditional front doors. This door has the problem of being easily smashed. As a result, they need to be treated with care. With the toughened glass, however, this would not be easy.

5. Wooden Doors:

There are several advantages to using wood doors, including soundproofing, insulation, and security. They’re simple to set up and maintain. They live for a long time. They have a distinct attraction because they are natural materials. They do appear to be elegant. They’re quite pricey.

Interior doors are the most common use for these types of doors. Timber is the oldest material for doors, and it never seems to go out of style.

6. Fiberglass doors:

Fiberglass is one of the most solidified products with relatively cheap maintenance costs compared to wood and steel. Fiberglass doors are well-known for not warping, bowing, or twisting. Fiberglass comes in a variety of colors and patterns. These doors can be molded into various forms and styles to suit your needs.
Glass fiber is made by connecting fiber with resin, which can be used to make several products such as bathtubs, doors, and windows, among others.

7. Fiber Reinforced Plastic Doors:

It comes in a variety of colors and finishes on the market. Fiber-reinforced plastic doors offer a variety of benefits, including increased strength, minimal maintenance, all-weather resistance, ease of construction, lightweight, and corrosion resistance.

B. Types of Doors Based on Location:

8. Exterior Doors:

The value of a home's outside or front doors is emphasized. Exterior doors offer access to and exit from home while also providing security. The external doors are provided with suitable thickness, stability, and durability of construction because they are exposed to varied climatic conditions. Paint and polish are applied to the exterior doors as a protective layer. Steel or wood are the most common materials used. They are well-designed to accommodate various lock types.

9. Interior Doors:

Interior doors, which come in various materials, are used inside structures. Internal doors are solely used to create a barrier between rooms. Internal doors are not subjected to or exposed to harsh weather conditions.

C. Types of Doors Based on the Operation of Door Shutter:

10. Sliding Doors:

Steel, wooden, and glass shutters create the sliding doors supported by steel rollers. The steel rollers roll along a track at the top and bottom of the structure. Depending on the opening, it has one or more sliding shutters. Sliding steel and wood doors were commonly used for large openings such as godowns, workshops, garages, and other structures in the past.

Sliding doors are commonly used in offices and other congested areas to save space and improve productivity.

11. Folding Doors:

"Folding door" refers to a door that opens by folding back in portions or "panels." They're formed of vertical strips or wrinkles that fold back into

a small bundle. These strips will be hung from the ceiling and run on a track.
They take up less space because they don't swing out or in. A better option is when there isn't enough space to install a sliding door. Foldable doors, like sliding doors, provide poor insulation. They are also noisy and have a low durability rating.

12. Pivot Doors:
Pivot doors have a unique pivot hinge with pins at the top and bottom that attach to the door. Pivot hinges have the advantage of holding much larger and heavier doors than standard pin and barrel hinges. It provides visual originality in opening and shutting and an eye-catching swinging function, thanks to the technical benefit. For the most part, pivot doors are used for entry doors.

13. Revolving Door:
The four leaves of the revolving door are joined to a centrally located mullion in a circular opening. The center member's mullion is equipped with a ball bearing at the bottom and a bush bearing at the top, allowing the door to rotate smoothly.
In most cases, revolving doors are installed in front of the building. Revolving Doors are best used in areas with a high volume of people entering and exiting the building daily.

Banks, hospitals, theaters, and workplaces, among other places, utilize revolving doors. The arrangements of a revolving door are built so that the door rotates around the center pivot.

Ex. 2. *Answer the questions.*

1. What are the advantages of aluminum doors, and where are they commonly used?

2. How do steel doors differ from other types of doors in terms of durability and aesthetic appeal?

3. Why are PVC doors popular for bathroom use, and what are their maintenance requirements?

4. What are some advantages of glass doors, and what is a potential drawback?

5. What are some advantages of wooden doors, and why are they often used as interior doors?

6. What are some advantages of fiberglass doors over wood and steel doors?

7. What are some benefits of fiber reinforced plastic doors, and where are they commonly used?

8. What is the importance of exterior doors, and what materials are commonly used to make them?

9. What is the purpose of interior doors, and how do they differ from exterior doors?

10. How do sliding doors work, and where are they commonly used?

11. What are folding doors, and when might they be a better option than sliding doors?

12. What are pivot doors, and where are they commonly used?

13. What are revolving doors, and where are they commonly used?