Уроки английского языка 18 03 2020-03-18

1. Подготовить и сдать презентацию на английском языке по темам Building Materials, The Functional Elements of a Building|Room

задание для следующих студентов:

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Крайний срок 20.03.2020

2.Для зачета проработать и сдать затем на уроке материал по теме **Glass Production.**

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**Glass Production.** The initial materials for the production of ordinary glass are mainly soda, limestone, and sand. A mixture of these substances is heated in a bath-shaped furnace. When it cools, the liquid mass of glass does not become hard at once. At first it becomes viscous and readily assumes any shape. This property of glass is used in making various articles out of it. Definite portions of the cooling semiliquid mass are taken from the bath, and these are blown or pressed to make various glassware. By machine methods glass sheets, tubes, etc., can be drawn continuously

from the molten mass.

**Multilayer glass for constructional purposes**

Multilayer glass for constructional purposes is produced due to GOST 30826-2001. It is used in construction for safe glass cover translucent (полупрозрачный) building constructions. Multilayer glass for constructional purposes represents a flat article with its thickness from 6mm to 20mm. Maximum size is 2500x1500mm. Multilayer glass for constructional purposes is produced due to customer's specification, with the use of colour and clear film (слой, плёнка). There is the sanitation-epidemiological conclusion on conformity (соответствие) to the safety radiation norms.

**Tempered safety glass**

Tempered (закаленный, сверхпрочный) safety glass is 5-6 times harder than float glass. It breaks into plenty of smallest pieces, and the possibility to be cut is reasonably small. Tempered safety glass for ground transport is produced due to GOST 5727-88.Tempered safety glass is produced for gas and electric ovens. Tempered safety glass is used for automotive and railway transport glass cover, also for automotive materiel, household and industrial appliances (gas stove, fridges, etc.), also tempered safety glass is used for translucent (полупрозрачный) building constructions (window and door blocks, shop-windows, lodge fence elements, balconies, structural facade glass cover etc.).

**Float glass**

Float glass (прокатное стекло) is produced by means of thermal formation on the tin melt (float method). Thermally polished glass is characterized with equal thickness, surface high quality, and small optical distortions (искажение) and corresponds to GOST I I 1-2001. Float glass is produced on the equipment of the leading European companies of Belgium and Germany. Float glass is produced with its thickness of 2.0 through 12mm. Depending on optical distortion (искажение) and allowed defects: the produced is classified into marks MO and M 1. There is a great line of formats that is presented to a consumer from 1605\ 1300mm to 6000x3210mm. Due to agreement with a consumer any glass format can be cut. Float glass is used: in building, transport, furniture industry, and in trade equipment production.

3. Перевести тексты по теме **Windows**

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**1. Fixed Windows**

Fixed windows are fixed to the wall without any closing or opening operation. In general, they are provided to transmit the light into the room. Fully glazed shutters are fixed to the window frame. The shutters provided are generally weather proof.

**2. Sliding Windows**

In this case, window shutters are movable in the frame. The movement may be horizontal or vertical based on our requirement. The movement of shutters is done by the provision of roller bearings. Generally, this type of window is provided in buses, bank counters, shops etc..

**3. Pivoted Windows**

In this type of windows, pivots are provided to window frames. Pivot is a shaft which helps to oscillate the shutter. No rebates are required for the frame. The swinging may either horizontal or vertical based on the position of pivots.

**4. Double Hung Windows**

Double hung windows consist of pair of shutters attached to one frame. The shutters are arranged one above the other. These two shutters can slide vertically with in the frame. So, we can open the windows on top or at bottom to our required level.

To operate the double hung windows, a chain or cord consisting metal weights is metal provided which is connected over pulleys. So, by pulling the weights of cord the shutters can move vertically. Then we can fix the windows at our required position of ventilation or light etc..

**5. Louvered Windows (**с жалюзи)

Louvered windows are similar to louvered doors which are provided for the ventilation without any outside vision. The louvers may be made of wood, glass or metal. Louvers can also be folded by provision of cord over pulleys. We can maintain the slope of louvers by tilting cord and lifting cord.

Recommended angle of inclination of louvers is about 45o. The sloping of louvers is downward to the outside to run-off the rain water. Generally, they are provided for bathrooms, toilets and privacy places etc..

**6. CasementWindows** свертикальной навеской

Casement windows are the widely used and common windows nowadays. The shutters are attached to frame and these can be opened and closed like door shutters. Rebates are provided to the frame to receive the shutters. The panels of shutters may be single or multiple. Sometimes wired mesh is provided to stop entering of fly’s.