



Unit 21 Windows, doors and gates

Task 07

Announcer: Materials for windows

Mr Kaup: Hello everybody. Today we are going to talk about the various materials making up windows. You have already learned about the various requirements for windows and their components, as well as their different types of opening mechanism. Can anyone name some materials windows are made of?

Miro: Windows can be made of different materials such as wood, synthetic materials, steel and aluminium.

Mr Kaup: You're right. Today, we are going to talk about steel windows and aluminium windows.

In industrial construction as well as in housing construction, steel windows are often preferred to aluminium windows.

Steel windows are mostly made of bright or galvanized tubular frames.

Lilly: And what about aluminium windows?

Mr Kaup: Aluminium windows are often produced by specialist manufacturers with special machines working in series. Therefore, this production method is cheaper than individual production. Another advantage of aluminium over steel is that the surface is resistant to corrosion. In other words it is corrosion resistant or non-corroding, when the surface is pre-treated.

Aluminium windows are very often powder-coated or anodized in order to achieve an optically beautiful surface. This coating is also an additional protection against environmental influences and improves the aluminium's corrosion resistance.