

Aluminum profile powdercoating



ALUMINUM PROFILE POWDER COATING

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DESIGNED AND MANUFACTURED BY TEHNOMARKE



Zadržavamo pravo tehničkih promena i odstupanja od boja. © Tehnomarket doo 02/2017





Beside standard powder coating options, the wood effect coating is a particularly interesting option for architects and discerning clients when it comes to aluminum profiles. This is a separate process that requires coating with special sublimation powders and application of special wood colored foils to the aluminum profiles. After that, the profiles are vacuumed and baked in a special oven to achieve a **“wood effect”** on aluminium profiles to complete this **“eco friendly”** process.

This technology offers an ideal combination of wood's natural appearance and aluminum durability, longevity and thermal performance. The wood effect is particularly suited for aluminum-wood windows that have a natural wood cladding on the inside, because it finally allows for an uniform appearance regardless of the used materials.

In order to offer a highest level of service "Tehnomarket" has started a new powder coating facility in a dedicated space of approximately 2000m2 that consists of several main sections: mechanical cleaning of profiles, chemical pretreatment, drying, electrostatic powder coating, baking in polymerization oven (at 180°C) and packaging. The line is suitable for aluminum profiles from 2m to 7m in length, and in order to meet the highest aesthetical and technical standards only renowned **“Tiger”** and **“Akzo Nobel”** powders are used in a variety of textures, finishes and RAL colors.

Powdercoating is based on a quality preparation and degreasing of aluminium with usage of **Qualicoat** certified **“Henkel”** technology. The profile preparation is done in seven bathtubs, combined with demi water and **“chrome free”** technology. This process is unique in Serbia and introduces an ecologically clean technology that is quickly becoming a standard in developed countries. The application of positively charged color powder is performed in cabins with automatic spray guns. Final colored layer thickness is 60 to 80 microns, and both epoxy and polyester colors can be used, depending on the final application of aluminium profiles and sheets.



standard colors

