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## Sublimation – The Future of Surface Finishes

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### 1. What happens to the solid substance (ink) during the sublimation process for powder coated aluminium?

At 200°C, the sublimation inks on the film turns from solid into a gas and the gas is driven inside the powder coating where it re-solidifies.

### 2. How far do the inks penetrate the powder coating during sublimation?

The inks penetrate to the full depth of the powder coated surface, which means they will never smudge or rub off.

### 3. What are two benefits of using sublimated woodgrain powder coating on aluminium?

Answers may include any two of the following:

- Durability
- Low Maintenance
- A large product selection
- Lightweight & strong
- Non-combustible
- Sustainability
- Cost Benefits

### 4. What is the first important step during the sublimation process for aluminium?

Pre-Treatment, during which aluminium profiles are dipped into a series of tanks to clean and etch the aluminium; and a conversion coating is created on the aluminium surface to ensure corrosion protection.

### 5. What is the name of the only independent 3rd party quality and auditing system for powder coating?

Qualicoat is the International Organisation and Specification for quality assurance for powder coating.