

BRONX PATTERN COATING

→ Infinite Possibilities

Specialty finishes are becoming increasingly popular in the coil coating industry as they:

- Provide interesting effects
- Provide extra character to the finished product
- Are more visually appealing
- Impart special properties to allow the painted aluminium to be used in a wider range of application

→ Variety of Patterns



→ How it works

Bronx uses both Rotogravure Roll and Embossing Technology to create decorative patterns for the market.

Rotogravure Roll: The offset rotogravure patterning process involves applying ink to the engraved roll, wiping excess ink from the surface of the roll and into the pattern with a doctor blade. The pattern is then transferred to a conventional polyurethane applicator roll, which then transfers the pattern to the strip (which has had a base colour coat already applied to it).

A clear protective coating is applied over the ink pattern. Dependent on whether primer is required under the base coat, this process is either a double or single pass through the line.

Fundamental to the success of this printing process is the precise positioning of the specialty engineered doctor blade. With careful consideration of roll pressures and speeds, the resultant pattern gives remarkable definition, clarity and realistic shading of the pattern.

Patterns such as marble, stone, fog, woodgrain and other common decorative finishes can be created with rotogravure rolls.

Embossing: Metal and Paint embossing can create leather grain, stucco and other patterns.

For further information on the patterning process and how this could be applied in your Colour Coating Line, please contact our sales team.

