

*Get in touch.*

## G-Coat

Innovative coating technology for plastic injection moulding dies – enhancing appearance, improving productivity.

### The hard facts:

- Even structure formation by improving the flow and filling properties and so reducing drawing marks, “tiger striping” Ghosting, etc.
- Can be used on chemically etched and/or lasered surface textures, also suitable for polished surfaces
- For steel and aluminium dies and the processing of PP-based plastics and ABS
- Coating thickness can be modified according to the application, e.g. to change gloss level or for process optimization in coatings from 8 to 30 µm
- Variable gloss levels
- The coating is reversible
- Good protection against corrosion
- Coating can also be used as a structure replacement up to @ VDI3400 ST30
- Also suitable for use with Eschmann Textures Cera-Shibo for, among other things, improvements in resistance to solvents or abrasion, and much more.

### TIME TO MARKET



Optimized injection moulding parameters – improving quality & compressing time to market!

Using the new “G Goat” coating process, Eschmann Textures Group offers a unique process to reduce process-related problems in plastics.

A benefit for users aiming to produce high quality surfaces and to reduce the reject rate. Simple and cost effective, right from the start.

### Customer feedback



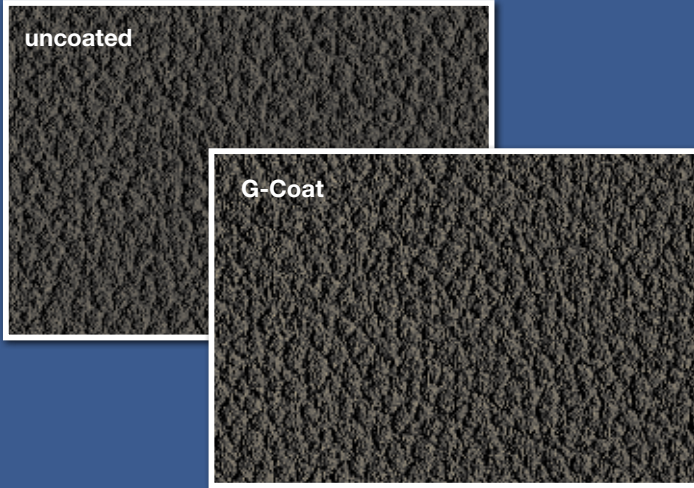
“Stipulations for the degree of glossiness can be complied with“

“No material adhesion”

“More homogeneous surface”

“Reduction of cleaning effort”

“Larger process window”



Filling optimized – texture improved



## Technical information:

- Coated surfaces must be handled carefully, just like (uncoated) grained surfaces!
- If there is any damage the coating must be removed and applied again.
- There are no special stipulations regarding the use of lubricants and/or cleaning agents. Our general cleaning information is to be followed.
- Coated surfaces may **not be cleaned mechanically**.
- The coated surface looks matt grey-black. This is normal. **Do not clean the coating** or attempt to remove it by shot-blasting, brushing or a cleaning pad, etc.
- The coating is not suitable for PC-ABS, PC, POM materials filled with glass fibres (still being tested to some extent).
- A working life of up to 500,000 injection operations is possible for PP-based plastics assuming good maintenance practices

## Notes regarding processing:

In general, all textured surfaces can be coated. Restrictions only apply to dies in which for reasons of the geometry the coated areas are not easily accessible.

G-Coat is applied at a processing temperature of around 150 °C under controlled conditions.

The dies must have been fully dismantled (i.e. electrical parts, cooling connections, pressure plates, etc.) when provided for coating.

G-Coat is offered by

**ESCHMANN TEXTURES INTERNATIONAL GMBH**  
at all European locations and in India:

1. Orders should be placed with 2 weeks notice.
2. Sample parts of the final state are to be provided by the customer.

**ESCHMANN TEXTURES**

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