



Ceramic systems

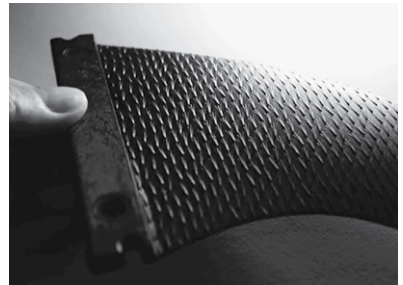
SURFACE ENHANCING TECHNOLOGY

APPLICATIONS

- Ranges from one-off custom designs to small batches
- Physical foaming (MuCell)
- In-mould graining (IMG)
- Blow moulding
- Silicone moulding tools
- Pu foaming tools
- Plastic injection moulding (including polypropylene, Polyurethane etc.)

Greater design flexibility for plastic injection moulding: Eschmann Textures has an innovative technology **CERAtex** which enables different designs to be produced from the same tool. In conventional production methods the tool determines how the structure looks. Things are different with this process: By applying a heat-resistant, almost wear-free ceramic coating to the tool surface, plastic components can be produced in a very wide range of different looks. This provides you with a completely new level of flexibility that gives you an extra dimension of design creativity. **CERAtex** adds a ceramic coating to create the surface texture.

This technology enables users to enhance an almost infinite range of products by adding customised surface textures. This ceramic process facilitates true-to-original design reproduction at unbeatably short reproduction lead times. **CERAtex** can be removed at any time from the tool without leaving residues and be re-applied without the need for additional polishing, modified wall thicknesses or similar.



Hide flaws from foaming process



Find more information
about us at:

www.eschmanntextures.com

ESCHMANNTEXTURES

CERAfoam

BREAKTHROUGH FOR THERMOPLASTIC FOAM INJECTION MOULDING, LIGHTWEIGHT & UNIQUE GRAIN DESIGN

The combination of ceramic coated surfaces and unique Femto laser texturing offers high end design for foamed parts - free of foam streaks and with high freedom in part construction.

BENEFITS FROM

- Lightweight
- Reduce energy/CO₂
- Unique grain
- Sustainability



PRODUCT EXAMPLES



Solid part which designs for foaming process (e.g. Rib ratio, thinner wall thickness, etc.) shows all defects (sink marks etc.)

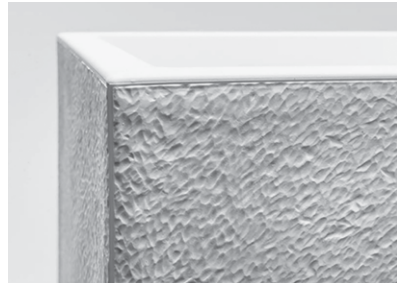
No sink marks formed but streak marks occur

Premium surface without defects

CERAshibo

CERAMIC TOOL COATINGS

- All surfaces can be moulded 1:1 and transferred into the smallest detail to the tool geometry
- Can be removed from the tool and re-applied with a new texture.
- Heat and wear-resistant, it processed at temperature ranges of up to 200°C
- Ideal for all standard plastic mould steels and aluminium as well as for physical foaming (MuCell)



“ Innovative lightweight construction meets design.”