

High reflective metallic coatings

For decoration of glass very often high reflective metal coatings are wanted. Until now such coatings can only be produced with really metals. With imitations such as coatings that contain metallic parts only mat decorations can be made.

The way to get shining metallic coatings with metallic flaks is that the flaks must exactly lay one beside the other on the surface. Every kind of binder will destroy this orientation and the surface is not shining any more. Until now there is no possibility to fix the flaks on the glass.

With a special system and the Sol-Gel-Technique a possibility was found to fix the aluminium flaks on the glass without disturbing the orientation. The so produced coatings have a very good adhesion on the glass and can be overcoated with a coloured Sol-Gel-System. Now every kind of metallic shade can be produced.