

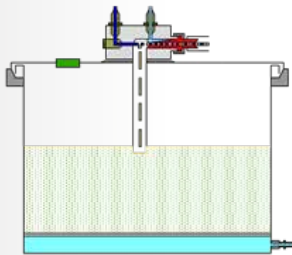


Several powder coatings in the IGP Living Surfaces series are more coarsely ground and thus require special equipment (see VR213)

only the finer fraction remains in the container, making it impossible to achieve the desired surface finish.

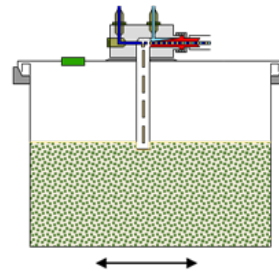
Particle segregation with compressed air fluidization:

Normal powder coating with fluidization



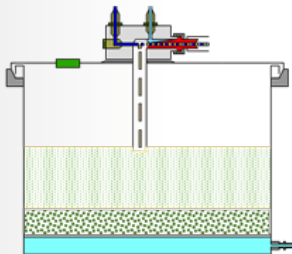
Since the particles in the powder coating basically have the same granularity, they all receive the same amount of lift force and can thus all be suspended in the air.

Coarsely ground powder with vibration



Vibration does not physically disrupt the powder coating much, so that the individual coating components separate very little. As a result, the surface finish remains consistent throughout the entire coating process. The vibration is only needed to continue feeding the powder into the intake tube.

Coarsely ground powder with fluidization



There are large differences in grain size, so the air can only suspend the finer fractions of the powder coating. It cannot suspend the coarser and thus significantly heavier fractions, which collect at the bottom of the powder container as soon as fluidized air is introduced.

The coarser fractions end up being pulled into the intake tube first. Within a short time,



IGP Pulvertechnik AG
Ringstrasse 30
CH-9500 Wil
Telefon +41 (0)71 929 81 11
Telefax +41 (0)71 929 81 81
www.igp-powder.com
info@igp-powder.com
www.doldgroup.com