

Detachment	of the film surface
Detaennen	



Description

- Disintegrants are used

- Hygroscopic core

Remedy

- Using a subcoat - Optimizing process parameters

Batch has heterogeneous color



- Coverage properties of the coating are insufficient
- Solid content of the suspension is too high
- Weight gain level is too low
- Batch quantity is too low

- Increasing the coverage properties of the coating (more pigments)

- Reducing the solid content
- Increasing the weight gain level

Troubleshooting Guide

Logo Bridging

Filling of the logo or the break line



- Viscosity is too high
- Plasticizer content is too low
- Spray rate is too high
- Atomizing air pressure is not right (too low/high)

- Decreasing the viscosity

- Increasing the plasticizer content
- Reducing the spray rate
- Adjusting the spray pressure (increase or decrease)

Color variation II

Individual tablets have heterogeneous color



- Application rate is too low
- API interacts with the coating material
- Low opacity
- Active ingredients diffuse from the core - Overhumidification
- Increasing the weight gain
- Adapting the formula/changing the pigments
- Increasing the coverage properties
- of the coating formulation
- Using a subcoat
- Increasing the tablet bed temperature

Twinning

Two or more tablets stick together



- Overhumidification

- Process air volume is too low
- Tablet shape "planar" is not suitable

- Reducing spray rate

- Increasing the drying capacity
- Optimizing the form of the tablets to "biconvex"
- Using release agents in the formulation

Peeling

Spalling of the film – possible cracking of the coating



- Tablet is swelling
- Plasticizer content in coating suspension is too low
- Tablet is too wet
- Tablet hardness is too low
- Tablet is outgassing
- Using a subcoat
- Increasing the plasticizer content
- Spraying with drier conditions
- Increasing the film forming polymer

Sticking and ripping off coating



- Pan speed is too low

- Air temperature is too low
- Process air volume is too low
- Spray rate is too high
- Process is too damp

- Increasing the pan speed

- Increasing the inlet air temperature
- Increasing the process air volume
- Reducing the spray rate

Friability

Tablet mass reduced due to abrasion

- Mechanical stress
- Tablets are too soft
- Tablets are too damp
- Pan speed is too high
- Reducing the pan speed
- Optimizing the core formulation
- Spraying with drier conditions
- Using the interval "jog mode" while heating cores



Scuffing

Gray layer forms on the tablet surface



- Titanium dioxide quantity is too high - Interaction between drum wall and coating

- Reducing the titanium dioxide - Spraying the drum prior to the trial

