

Checklist Sample Coating



Preselection of suitable Solid Film Lubricants and coating processes for your components

Based on this information, we can provide you with various product samples and an offer for volume coating. If you have any questions, please do not hesitate to contact your responsible representative.

General information

Company*

Contact/Department*

Address (street, zip code, city)*

Phone*

Fax

Email*

Date

Information on the part to be coated

Part name**

Drawing number

Assembly group

**please specify dimensions and measurements	Part weight (kg)*	Quantity p.a. (pcs)*	Quantity p.a. (kg)*
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Material

Steel (alloy/designation)

Stainless steel

Plastic/elastomer (type e.g. PA, NBR)

Other

Surface condition

Bare

Pretreated

Roughness

Ra

Rz

Rt

*required field

What has to be considered related to the component/its application?

Sand blasting allowed	yes	no
Phosphatizing allowed	yes	no
Avoid temperatures	below °C	above °C
Other		

Information on the part's function and application area

Description*

Which conditions is the component/system exposed to?

Surface pressure				
Ambient medium (e.g. water, oil)				
Form of movement (e.g. sliding)				
Operating temperature	from °C	to °C		
Other				
Component is safety relevant according to IATF 16949*	Yes	no	unknown	

Information on the counterpart (not to be coated)

Material

- Steel (alloy/type)
- Stainless steel
- Plastic/elastomer (type e.g. PA, NBR)
- Other

Surface condition

Bare	Pretreated			
Roughness		Ra	Rz	Rt

Basic requirements on the coating and its function

Customer-specific coating (incl. pretreatment)			
Coating	water-based	solvent-based	no specification
Partial coating required (please indicate area on the drawing)			
Complete coating			
Color specification			
Assembly aid			
Lifetime lubrication			
Running-in lubrication			
Friction coefficient	as low as possible	defined	target value $\mu =$
Improvement of wear behavior			

*required field

Corrosion protection	Standard
Load cycles	number of cycles
Slide path	mm
Other requirements as per specification	

Information required for a coating offer

Pretreatment

Metals

- None (only with clean, oil/grease/dust-free parts)
- Washing
- Washing und manganese phosphatizing (only possible with carbon eel)
- Sand blasting und washing

Plastics/Elastomers

- Washing
- Plasma activation
- Washing and plasma activation

Coating application

- Requested coating product
- Application process (if known/specified)

Supply

Desired lot size Quantity	pcs	weight (kg)
Technical minimum lot size, quantity	pcs	weight (kg)
Bulk volume (liter per quantity)	l/pcs	
Other		

Packaging

- Unless otherwise specified, packaging will be as bulk material in the containers delivered.
- Special packaging requirements
- Requested packaging quantity, packaging units Pieces/PU
- New packaging is not included in standard scope of supply

Documentation of coating quality

- Coating thickness measurement record required* *Metal parts require a plane surface of at least 5 x 5 mm for a coating thickness measurement. Coating thickness cannot be measured on plastic or elastomer parts.
- COA required
- PPAP/ISIR required

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