

DESCRIPTION

This release coating gives the moulded part surface a SEMI-GLOSSY effect. Suitable for moulds of large dimensions, with complex geometry and undercuts. Not suitable for high temperature moulding production.

TECHNICAL DATA

TREATMENT TYPE	RELEASE COATING
COLOUR	GREEN
MOULDED PART SURFACE APPEARANCE	SEMI-GLOSSY
GLOSS	40° - 50°
MAX OPERATING TEMPERATURE	230°C - 446°F
DEGRADATION THRESHOLD TEMPERATURE	240°C - 464°F
RELEASE PROPERTIES	VERY GOOD
ABRASION RESISTANCE	VERY GOOD
CHEMICAL RESISTANCE	VERY GOOD



GENERAL INSTRUCTIONS

Delivery time: an additional workweek should be added to the regular mould delivery time.

There will be a difference in the gloss and brightness levels achieved by cast aluminium and CNC moulds. Generally, less gloss is achieved by cast moulds. This factor has to be considered especially in case of hybrid moulds (combination of cast and CNC parts).

If the need arises to redo the release coating treatment only on some parts of the mould, it is important to take into account that moulded parts will show surface differences between the recoated parts and those left untouched.

On old moulds or moulds used in heavy production, we recommend redoing the texture on the entire mould and then reapplying the coating.

A release coating treatment will have an effect, even if minimal, on the assembly and alignment of the mould parts.

DESCRIPTION

This release coating gives the moulded part surface a MATT effect. Suitable for moulds of large dimensions and simple geometry. Not suitable for moulds with undercuts.

TECHNICAL DATA

TREATMENT TYPE

RELEASE COATING

COLOUR

BLACK

MOULDED PART SURFACE APPEARANCE

MATT

GLOSS

15°

MAX CONTINUOUS OPERATING TEMPERATURE

260°C - 500°F

MAX INTERMITTENT TEMPERATURE

280°C - 536°F

DEGRADATION THRESHOLD TEMPERATURE

290°C - 554°F

ABRASION RESISTANCE

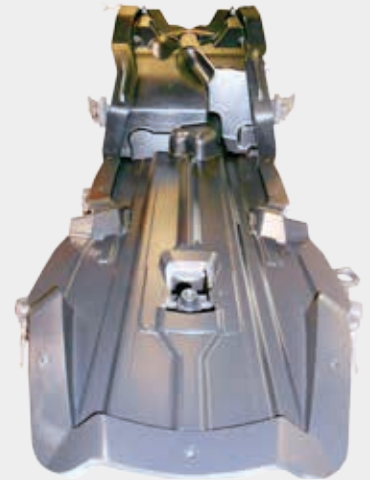
GOOD

CHEMICAL RESISTANCE

VERY GOOD

NOTES

UNDER SPECIFIC CONDITIONS WITH COMPLEX GEOMETRY, THE RELEASE PROPERTIES MAY BE INSUFFICIENT. IN THIS CASE, THE USE OF A CONVENTIONAL RELEASE AGENT APPLIED TO THE MOULD SURFACE WILL BE REQUIRED.



GENERAL INSTRUCTIONS

Delivery time: an additional workweek should be added to the regular mould delivery time.

There will be a difference in the gloss and brightness levels achieved by cast aluminium and CNC moulds. Generally, less gloss is achieved by cast moulds. This factor has to be considered especially in case of hybrid moulds (combination of cast and CNC parts).

If the need arises to redo the release coating treatment only on some parts of the mould, it is important to take into account that moulded parts will show surface differences between the recoated parts and those left untouched.

On old moulds or moulds used in heavy production, we recommend redoing the texture on the entire mould and then reapplying the coating.

A release coating treatment will have an effect, even if minimal, on the assembly and alignment of the mould parts.

DESCRIPTION

This release coating gives the moulded part surface a GLOSSY effect. Suitable for moulds with complex geometry and undercuts. Not suitable for moulds of large dimensions.

TECHNICAL DATA

TREATMENT TYPE	RELEASE COATING
COLOUR	BROWN
MOULDED PART SURFACE APPEARANCE	GLOSSY
GLOSS	45° - 55°
MAX OPERATING TEMPERATURE	205°C - 401°F
DEGRADATION THRESHOLD TEMPERATURE	230°C - 446°F
RELEASE PROPERTIES	EXCELLENT
ABRASION RESISTANCE	EXCELLENT
CHEMICAL RESISTANCE	EXCELLENT



GENERAL INSTRUCTIONS

Delivery time: an additional workweek should be added to the regular mould delivery time.

There will be a difference in the gloss and brightness levels achieved by cast aluminium and CNC moulds. Generally, less gloss is achieved by cast moulds. This factor has to be considered especially in case of hybrid moulds (combination of cast and CNC parts).

If the need arises to redo the release coating treatment only on some parts of the mould, it is important to take into account that moulded parts will show surface differences between the recoated parts and those left untouched.

On old moulds or moulds used in heavy production, we recommend redoing the texture on the entire mould and then reapplying the coating.

A release coating treatment will have an effect, even if minimal, on the assembly and alignment of the mould parts.

DESCRIPTION

This coating gives the moulded part surface a HIGH GLOSS effect and is a good alternative to mirror polishing. Not suitable for moulds with cores or geometries causing restricted shrinkage.

TECHNICAL DATA

TREATMENT TYPE

SPECIAL

COLOUR

PAINT COATING

MOULDED PART SURFACE APPEARANCE

DARK BLUE

GLOSS

HIGHLY GLOSSY

MAX OPERATING TEMPERATURE

> 80°

DEGRADATION THRESHOLD TEMPERATURE

> 300°C - > 572°F

RELEASE PROPERTIES

> 400°C - 752°F

ABRASION RESISTANCE

VERY LOW

CHEMICAL RESISTANCE

GOOD

NOTES

MODERATE

AS THE COATING HAS VERY LOW RELEASE PROPERTIES, A CONVENTIONAL RELEASE AGENT SHOULD BE APPLIED TO THE MOULD. THE COATING CAN BE POLISHED TO ACHIEVE EVEN HIGHER GLOSS.



GENERAL INSTRUCTIONS

Delivery time: an additional workweek should be added to the regular mould delivery time.

There will be a difference in the gloss and brightness levels achieved by cast aluminium and CNC moulds. Generally, less gloss is achieved by cast moulds. This factor has to be considered especially in case of hybrid moulds (combination of cast and CNC parts).

If the need arises to redo the release coating treatment only on some parts of the mould, it is important to take into account that moulded parts will show surface differences between the recoated parts and those left untouched.

On old moulds or moulds used in heavy production, we recommend redoing the texture on the entire mould and then reapplying the coating.

A release coating treatment will have an effect, even if minimal, on the assembly and alignment of the mould parts.

DESCRIPTION

This hardening treatment increases mould surface brightness and provides very good release properties.

TECHNICAL DATA

TREATMENT TYPE

HARDENING

COLOUR

BLACK

MAX OPERATING TEMPERATURE

260°C - 500°F

DEGRADATION THRESHOLD TEMPERATURE

260°C - 500°F

RELEASE PROPERTIES

VERY GOOD

ABRASION RESISTANCE

EXCELLENT

CHEMICAL RESISTANCE

EXCELLENT

NOTES

THE HARDENING TREATMENT INCREASES ALUMINIUM HARDNESS FROM 75 HV TO 550 HV, DRASTICALLY REDUCING MOULD SURFACE DAMAGE AND REQUIRED MAINTENANCE.



GENERAL INSTRUCTIONS

Delivery time: an additional workweek should be added to the regular mould delivery time.

On used moulds, we recommend redoing the flange assembly and internal profile before applying the treatment.

The treatment will have an effect, even if minimal, on the assembly and alignment of the mould parts.

DESCRIPTION

This flange hardening treatment applied to mould flanges increases hardness and consequently reduces damage and maintenance.

TECHNICAL DATA

TREATMENT TYPE

*FLANGE
HARDENING*

COLOUR

BLACK

MAX OPERATING TEMPERATURE

260°C - 500°F

DEGRADATION THRESHOLD TEMPERATURE

260°C - 500°F

RELEASE PROPERTIES

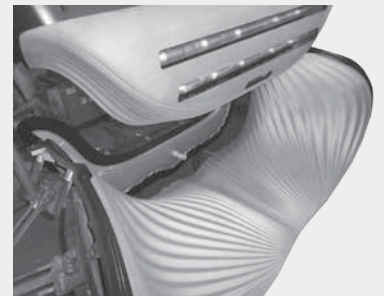
VERY GOOD

ABRASION RESISTANCE

EXCELLENT

CHEMICAL RESISTANCE

EXCELLENT



GENERAL INSTRUCTIONS

Delivery time: an additional workweek should be added to the regular mould delivery time.

On used moulds, we recommend redoing the flange assembly and internal profile before applying the treatment.

The treatment will have an effect, even if minimal, on the assembly and alignment of the mould parts.

