

TECHNICAL DATA SHEET – COATING “SR 41 M Grey”

GENERALITIES

“SR 41 M Grey” is a coating based on PTFE and binders.
The coating has a good adhesion to metallic substrates , good antistick properties , good dry lubrication and excellent chemical protection.
This coating is cured at about 210°C so it is particularly indicated for parts that cannot withstand high temperatures .
SR43M Grey is used in a wide range of industrial applications .

APPLICATION CYCLE

This coating can be applied on carbon steel , stainless steel , brass and aluminium .
Surface to be coated is cleaned and blasted with aluminium oxide –hard anodized surfaces.
Coating is applied by spray technique and after this it is cured in the oven at 210°C for 10 minutes metal temperature .
Recommended dry film thickness is 20 – 30 microns ; multiple coat application is possible.

For the best corrosion resistance of the coating applied on aluminium parts it is recommended a pre-treatment with hard electrolytic anodic oxidation .

TECHNICAL DATA

- COLOUR : Grey
- MAXIMUM WORKING TEMPERATURE : 180°C (230°C peaks)
- DRY FILM THICKNESS : maximum 40 microns
- HARDNESS : 2H

CORROSION RESISTANCE DATAS OF CARBON STEEL COATED WITH SR41M
TEST METHODOLOGY : ASTM B-117

No. of hours	One Coat on Gritblast & Phosphate	One Coat on Zinc Plate	One Coat on Cadmiun Plate	Two Coats on Gritblast	Two Coats on Gritblast & Phosphate	Two Coats on Zinc Plate	Two Coats on Cadmiun Plate
100	Red rust spots	No effect	No effect	Red rust spots	Red rust spots	No change	No change
200	Red rust spots	No effect	No effect	No change	No change	No change	No change
400	Light red rust	No effect	No effect	Light red rust	No change	No change	No change
800	Light red rust 10%	No effect	No effect	Medium red rust	No change	No change	No change
1200	Light red rust <10%	Small blisters	Small blisters	Medium red rust <10%	Red rust spots <5%	Small blisters	Small blisters
1800	Medium red rust 15%	No change	No change	Medium red rust 20%	Red rust spots >5%	No change	No change
2200	Medium red rust 20%	No change	No change	Medium red rust 30% OFF TEST	No change	No change	No change
4000		Light white rust & red rust spots	Light white rust & red rust spots		Medium red rust 15% OFF TEST	Light white rust	Light white rust
5000		No change	No change			No change	No change