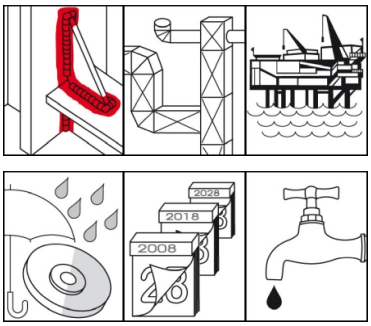
OKS 2551

Zinc Protection, Spray



Description

Long-term corrosion protection for all ferrous metals based on high-purity zinc powder with active cathodic corrosion protection.

Applications

- For touching up damaged spots on galvanised surfaces, e.g. after welding, drilling or cutting
- For touching up damaged spots on hot-dip galvanised surfaces as per EN ISO 1461:2022-12 with the required layer thickness of 100 µm
- For priming ferrous metals when they cannot be galvanised, e.g. for vehicle and boat repair; for steel building construction, civil engineering and bridge building; for tank and overhead line construction; on gratings, fence and traffic light posts, exhaust systems, gutters and similar.

Branches

- Municipal services
- Rail vehicle technology
- Shipbuilding and marine technology
- Chemical industry
- Plant and machine (tool) engineering
- Glass and foundry industry
- Maintenance and servicing
- Rubber and plastic processing
- Logistics
- Paper and packaging industry
- Iron and steel industry

Advantages and benefits

- Highly effective, active cathodic corrosion protection for exceptionally long-lasting protection
- Self-healing polymer layer which closes again after slight damage and prevents corrosion
- Wide field of application as enduring corrosion protection on ferrous metals, including at high temperatures and in aggressive atmospheres
- Suitable for touching up hot-dip galvanised surfaces as per EN ISO 1461:2022-12
- Suitable for corrosion protection up to Category C5H as per EN ISO 12944:2018-06 for industrial areas with high humidity and an aggressive atmosphere and for coastal atmospheres with elevated salt levels
- First coat in combination with subsequent paint coat with products such as OKS 2571 or OKS 2581
- No impact on quality during spot welding due to effective electrical conductivity

Application tips

Clean the surfaces for optimum adhesion. It is best to clean mechanically first and then with OKS 2610 or OKS 2611 universal cleaner. The surface to be treated must be dry, uncoated and free of grease. Shake the can before use until you can hear the stirring balls rattle and continue shaking vigorously for 2 more minutes. Keep tin in vertical position while spraying. Optimal layer thickness: Spray evenly onto the prepared surface from a distance of 20 - 30 cm using 3 - 4 cross coats or circular movements. Avoid local excesses. For thicker layers, apply another coat after the solvent has evaporated. After spraying, turn the can upside down and spray the valve in this position until only solvent comes out. Drying and curing times as per following technical data.

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Zinc Protection, Spray

Packaging

- 400 ml Spray

Technical data

	Standard	Conditions	Unit	Value
Main components				
binder				epoxy resin
solvent				solvent mixture
solid lubricants				Zinc powder
Application related technical data				
lower operating temperature			°C	-70
upper operating temperature			°C	250
optimal layer thickness	DIN 50 981/50 984	DIN 50 982-2	µm	60-80
surface covering		layer thickness 70 µm	m²/can	approx. 2-3
processing temperature			°C	10-35
drying time		20°C	min	5-10
curing time		at 20°C	h	12-24
curing time		at 150°C	min	15
colour				zinc grey
density	DIN EN ISO 3838	at 20°C		0.92
salt spray test	DIN EN ISO 9227	layer thickness >70 µm air-drying	h	>2,000
salt spray test	DIN EN ISO 9227	layer thickness >100 µm heat-curing (150°C/15min)	h	>6,000
Cross-cutting test	DIN EN ISO 2409	Grid spacing of 2 mm		GT=0
Properties and approvals				
UFI				AHQA-K0X0-300H-04KD

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