TECHNICAL DATA SHEET
POLY DUR 360

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2K Polyurethanecoating with good weather resistance,colour stability and corrosion resistance
Slight dirt attachment and easy to rinse.
Easy applicable and easy to rinse.
Easily applicable in thick layers.
Hardening at low temperatures up to 5°C
After curing excellent mechanical resistance and elasticity.

PRODUCT INFORMATION

Type of paint	2 component acrylic coating with aliphatic isocyanate hardener
Finish	Semi-gloss 60-70%
Color	RAL
Density	1.4-1.5 kg/L
Solids content	65 vol%
VOC (Volatile Organic Compounds)	290 g/L
Recommended dry film thickness (DFT)	60-80 µm
Theoretical spreading rate	
DFT = 60 µm	10.8 m²/L
DFT = 80 µm	8.1 m²/L
Practical spreading rate (Depending on several factors like shape of object, profile of surface, method of application, application circumstances and experience)	Brush/Roller: 85-90% of the theoretical spreading rate Spraying: 50-70% of the theoretical spreading rate
Flashpoint	>21°C
Dry temperature resistance	120°C

DRYING TIMES

For d.f.t. up to 100µm

	20°C	**10°C**	**5°C**
Dust dry	3 hours	5 hours	8 hours
Manageable	16 hours	24 hours	30 hours
Overpainted			
Minimum interval	12 hours	24 hours	40 hours
Maximum interval	Unlimited*	Unilimited*	Unlimited*

*provided that the surface is dry and clean.
Film thickness, ventilation, temperature and relative humidity are of great influence on the drying times.

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APPLICATIONS-INSTRUCTIONS

Mixing instructions: Base and hardener (4+1 with Flex Hardener) should be mixed and applied at temperatures above 10°C
At lower temperatures extra thinner is needed which gives a slighter resistance against sagging and which will delay hardening.

Pot life after mixing: ± 6 hours at 20°C

Application conditions: During application and hardening the temperature should be above 5°C to attain maximum resistance against chemical and mechanical influences.

Application at lower temperatures (up to 5°C) is possible, however hardening will take considerable more time and complete resistance will be achieved much later.

The surface should remain free from water and ice and the temperature of the surface should at least be 3°C above dew point.

During application and hardening in closed or small spaces, it is necessary to refresh the air continually to remove the solvent vapours, this because of drying, health and safety.

Usage information	**Airless**	**Air spray**	**Brush/roller**
Type of thinner	Thinner PU	Thinner PU	Thinner PU
Recommended thinner	0-10 vol%	5-10 vol%	0-5 vol%
Nozzle orifice	0.28-0.33 mm 0.011-0.013 inch	1.5-2.0 mm	/
Nozzle pressure	130-160 bar	2-3 bar	/
Cleaning	cellulose thinner	cellulose thinner	cellulose thinner

SURFACE CONDITIONS

Steel:

New steel:
As primer Epoxy primer ZNF or All Meta Cryl can be applied.

Repair and maintenance:
Clean the surface thoroughly with suitable cleaning preparation or by steam cleaning.
Remove salts and other water-soluble impurity by spraying with clean tap-water under high pressure.
Remove rust a.o. by blasing Sa2½ or derust mechanical until St.2-3
Apply the advised paint system on a clean surface.
- Mechanical or hand derusting gives less quality than blasing and will result in less protection of the applied paint system.

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DURABILITY

At least 12 months, provided that it has been stored in closed original packing at a dry and cool spot.

PACKAGING

1 L + 0,25 L ; 4 L + 1 L ; 16 L + 4 L

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