47 % Bio-based content*

INOKEM® UR 3309

Water-based modified polyurethane

ecoat
RESPECT THE FUTURE

**Based on C content according to EN 16640*

Main characteristics:

- **40% solid content**
- **Highly hydrophobic** polymer
- High **barrier effect**
- Good weathering resistance
- Lower CO2 footprint vs PUD and acrylics

Key benefits in paints:

- Formulas **with and without anti-corrosion pigments**
- Good adhesion on ferrous and non ferrous metal
- Good gloss retention
- Enables the same level of performance as solventborne systems

Climate change impact vs references at the gate

Details of the study:
- LCA study carried out internally using SimaPro v9.5 software and IPCC2021 GWP100 method with inclusion of the CO2 storage effect of biogenic carbon
- Cradle to manufacturer gate study - product without packaging (commercial form)
- Inokem® UR 3309 : model made using Ecoinvent v3.8 cut-off database and supplier specific data. Values given in good faith according to current Ecoat know-how - May 2025 assessment
- Petrobased references : LCA study results of the European Polymer Dispersions and Latex Association (EPDLA) made by PricewaterhouseCoopers

PUD binder
(44% solid)

-65,6%

CO_2

Inokem® UR 3309
(40% solid)

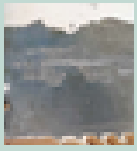
Pure acrylic binder
(50% solid)

-33,5%

Glossy white paint: with / without anti-corrosion pigments

Salt Spray Test:
ISO 9227 & ISO 12944-6

Adhesion: ISO 2409
Blistering: ISO 4628-2
Rusting: ISO 4628-3

Reference	100 hours	200 hours	300 hours	400 hours	500 hours	Delamination
INOKEM® UR 3309 PU alkyd **WITH 5% anti-corrosion pigments**						Blistering on the scribe : 2(S3)  Adhesion 0/1 Rusting Ri0
INOKEM® UR 3309 PU alkyd **WITHOUT anti-corrosion pigments**						Blistering on the scribe : 2(S4)  Adhesion 0/1 Rusting Ri0

You need more information? Contact us: info@ecoat.fr