

Oxazolidines

selection guide



Incozol® high performance additives for use in:

- polyurethane coatings
- polyurethane adhesives
- polyurethane sealants

Moisture Scavenger

Typical Applications: 2K systems including wind turbines, automotive, OEM, aircraft



Incozol 2

Features	Benefits
Moisture Scavenger & Drying Agent	Prevents the generation of CO ₂ gas leading to defect free films.
Compatible with different PU components (soft/hard segments)	Greater latitude when formulating.
Very low viscosity	Ideal for high solids systems.
Low toxicity	Safer for formulators and applicators.
Low coloured liquid	Can be used in clear coats.
Tertiary amine catalyst before ring opening	Releases faster curing amine after hydrolysis which increase cure rate of the film on application.

Reactive Diluent

Typical Applications: 2K systems including wind turbines, automotive, OEM, aircraft

Incozol LV

Features	Benefits
Reactive Diluent	Developed to replace a portion of the polyol component enabling the formulation of high solids, low VOC coatings.
Moisture Scavenger	Prevents the generation of CO ₂ gas leading to defect free films.
Multifunctional (f=4)	Enables greater formulation flexibility.
Very low viscosity	Suitable for spray applications.
High degree of moisture tolerance	Improved stability to repeated opening of containers.

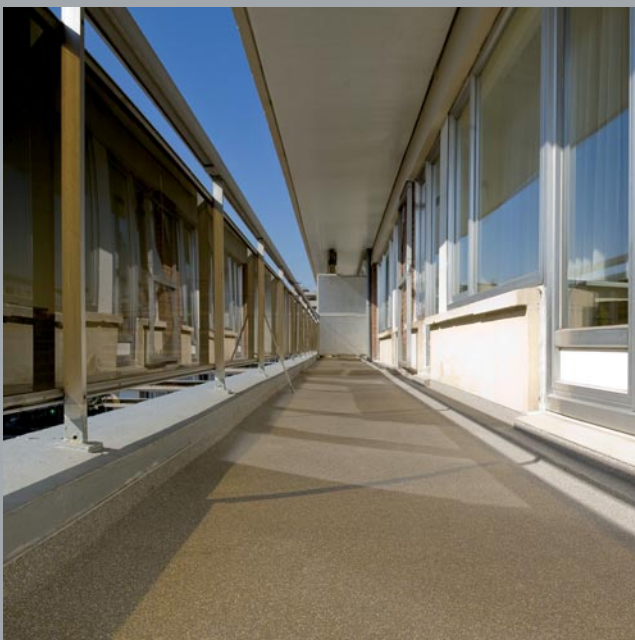


Latent Hardeners

Typical Applications: 1K systems including roof, balcony & floor coatings, sealants

Incozol EH

Features	Benefits
Moisture Triggered Chemistry - atmospheric moisture triggers the curing process	Waterproof membranes are capable of curing in a wider range of conditions including extreme temperature ranges and humidity variations. Unlike traditional polyurethane systems they do not release CO ₂ , which often causes gassing and application is not delayed by adverse weather conditions.
Multifunctional (f=4)	Faster through-cure leading to increased tensile strength and tougher, more durable films.
Low temperature crystallisation stability (down to -20°C)	Ease of handling & storage. Reduced energy costs (no heating required).
Catalyst Free	Improved stability with both aliphatic & aromatic PU systems.
Reduced Odour	More user friendly for applicator.





Incozol 4

Features	Benefits
Moisture Triggered Chemistry - atmospheric moisture triggers the curing process	Waterproof membranes are capable of curing in a wider range of conditions including extreme temperature ranges and humidity variations. Unlike traditional polyurethane systems they do not release CO ₂ , which often causes gassing and application is not delayed by adverse weather conditions.
Multifunctional (f=4)	Faster through-cure leading to increased tensile strength and tougher, more durable films.
Low equivalent weight	Reduced usage in formulation.

Selection Chart

	Incozol 2	Incozol LV	Incozol EH	Incozol 4
Moisture scavenger	●	●	●	●
Use with low NCO prepolymers			●	●
Lowering viscosity	●	●		
Reducing VOC		●		
Low temp storage & handling		●	●	
Stability in 1K aliphatic systems		●	●	●
Stability in 1K aromatic systems		●	●	
Use in 2K systems	●	●		

- Recommended
- Suitable

Technical Data

	Incozol 2	Incozol LV	Incozol EH	Incozol 4
Functionality	2	4	4	4
Equivalent Weight	114	86	150	122
Viscosity @ 20°C (mPa.s)	20	50	6,000	10,000
Density (g/cm ³)	0.87	1.07	1.03	1.08
Colour (APHA)	Max 200	Max 250	Max 400	Max 300
Flash Point (°C)	82	76	107	90



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