

MASK FL

General Information

MASK® FL is a broadly used polyurea spray elastomer system. It consists of the two components MASK® AMINE FL and MASK® ISO FL. By replacing standard formulations by MASK® FL durable surfaces with strong physical properties can be achieved. The

FL series is a pure polyurea designed for flooring, and mechanically impacted surfaces with medium to high traffic. It offers long-term durability and flexibility and combines strong mechanical resistance with excellent crack bridging and waterproofing properties.

Properties	Unit	Typical values	Sales specifications
Chemical and Physical Data of MASK® AMINE FL / MASK® ISO FL			
Appearance Amine component Isocyanat resin		clear to yellowish liquid yellowish to brownish liquid	
Density at 25°C Amine component Isocyanat resin	g/cm ³ (lb/ft ³) g/cm ³ (lb/ft ³)	1.00 (62.4) 1.12 (69.9)	
Primary amine value / NCO content	mg KOH / g wt%	210 16	min. 202 15.4 – 16.4
Viscosity Amine component Isocyanat resin	mPa·s mPa·s	< 1500 1000	
Water content of the Amine	wt %	0.05	max. 0.25
Boiling point Amine component Isocyanat resin	°C (°F) °C (°F)	> 200 (> 392) > 200 (> 392)	
reaction time	s	10	
Processing parameters			
Block Temperature	°C (°F)	70 - 80 (158 - 176)	
Hose Temperatures (A and B)	°C (°F)	70 - 80 (158 - 176)	
Constant pressure	bar	120	
Physical Properties of the reaction product / sprayed surface			
cure time, walkable	min	2	
Density at 25°C (cured)	g/cm ³ (lb/ft ³)	1.02 (63.7)	
Elongation ASTM D412	DIN 53455	330	
Tensile strength ASTM D412	DIN 53504	20	
Tear strength ASTM D624C		38	
Shore-A/D ASTM D 2240	DIN EN 53505	97/54	
Abrasion (Taber H 18)	DIN 53516	170 (approx.)	

