



Pipeline Life Extension Specialists

**PipeArmor™ 100H** is an ultra high-strength, high-elongation pure polyurea, first developed as a blast resistant polymer. Rigorous testing determined this formulation is exceptionally resistant to impact and abrasion, compared to other lining systems.

**PipeArmor 100H** can be sprayed onto virtually any surface configuration, at any thickness. This makes it particularly suited for selective application to high wear areas.

**PipeArmor 100H** is only available from Quest Inspar.

**FEATURES**

- 100% solids: 1:1 ratio plural polyurea
- Zero VOCs, CFC's or endocrine disruptors
- Self priming on most substrates
- Impact absorbing properties
- Sound dampening noise control properties
- Low temperature flexibility
- Seamless monolithic application
- Light-weight

**BEST USES**

- Slurry Pipelines and Tanks
- Chutes and Hoppers
- Silos
- Screw Conveyors
- Ash Fly Pumps
- Cyclones
- Classifier and Shaker Screens

**For more information please contact:**

Technical Services  
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TECHNICAL SPECIFICATIONS	
Wet Properties @ 77°F (25°C)	
Solids by Volume	100%
Solids by Weight	100%
Volatile Organic Compounds	0 lbs/gal (0g/l)
Theoretical Coverage (DFT)	100 sq ft @ 16 mils/gal
Weight per gallon (approx.)	8.8 lbs (3.99 kg)
Number of Coats	1-3
Mix Ratio	1“A” : 1”B”
Viscosity (cps) @ 77°F (25°C)	A: 900 B: 230
Shelf Life Unopened Containers @ 60-90°F (15°-32°C)	Six Months
Dry Properties @ 34 mils (0.8mm) <sup>1</sup>	
Tensile Strength ASTM D 412	5500 psi (34.75 mpa) Average
Elongation @ 77°F (25°C)	>300%
Hardness (Shore A)	(0s) 96
Hardness (Shore D)	(0s) 57
100% Modulus ASTM D 412	>1800 psi (12.51 mpa)
200% Modulus ASTM D 412	<3000 psi (20.85 mpa)
300% Modulus ASTM D 412	>4700 psi (32.67 mpa)
Tear Resistance ASTM D 624	>690 PLI (120.82 KN/m)
Abrasion Resistance	CS-17 wheel   2.0 mg lost 1 kg. 1000 rev   H-18 wheel   33.0 mg lost
Curing Schedule 70°F (21°C)	
Gel <sup>1</sup>	± 9 sec
Tack Free <sup>2</sup>	± 20 sec
Post Cure <sup>3</sup>	24 hours
Recoat	2 min - 12 hours
Service Temperature	-40°F - +200°F (-45°C - +93°C)