

RS-55DC, Aromatic Fast-Set Polyurea Spray System is a fast-set, spray applied, two component polyurea that is 100% solids and contains Zero VOCs. It is highlighted by:

- Excellent corrosion protection and chemical resistance.
- Excellent impact resistance even in sub-freezing weather.
- High abrasion resistance for harsh environments.
- Seamless monolithic waterproof membrane that is tough and durable.
- Odorless, non-toxic vapor.
- UL certified ANSI/NSF 61 in specific colors



SPECIFICATIONS

PHYSICAL PROPERTIES	VALUES
Hardness, (ASTM 2240)	52 Shore D
Tensile Strength (D-412)	3850 psi (270.68 kg/cm ²)
Tear Strength, DIE (D624)	570 pli
Elongation (D-412)	425%
Flexibility, 1/8" (3mm) mandrel	Pass
Abrasion Resistance (CS17 wheels, 1000g, 1000 cycles, (D-4060)	17mg loss
100% Modulus, D-412	1460 psi
200% Modulus, D-412	1960 psi
300% Modulus, D-412	2650 psi

*Values obtained in laboratory setting for comparison purposes only and should not be considered specifications.

APPLICATION PROPERTIES

PROPERTY	VALUE	
Gel time	11 seconds	
Tack free time	22 seconds	
Viscosity	A Side 350 cps	B Side 650 cps

APPLICATION NOTES:

1. Use application procedure for guidance.
2. Should be applied through a two component, heated, high pressure proportioning unit (1A:1B) capable of dynamic spray pressures of 2000-2400 psi.
3. Available in 55 gallon drums and 275 gallon totes. It should be stored in sealed containers between 60°F (15.55°C) and 90°F (32.22°C). Shelf life is 12 months in factory sealed containers.
4. RS-55DC is for industrial use only. Avoid contact with eyes and skin. Do not inhale or ingest. When spraying, wear a respirator or fresh air hood. Spraying indoors requires forced ventilation. Be sure to read SDS in its entirety prior to use.
5. Material and hoses should be heated to 150°F (65.65°C), with pressure at a minimum of 2200 psi.
6. Mixing Instructions: Agitate resin blend (B) component thoroughly with a drum mixer before use to disperse pigment and assure homogeneity. Do not thin. Do not agitate in air and moisture.
7. Contact your account representative regarding specific metal/steel surface preparation and priming requirements. For concrete applications, we recommend RS-30.

APPLICATIONS

- Wastewater
- Chemicals
- Mining Equipment
- Fuel loading and unloading

BENEFITS

- Abrasion Resistant
- Reduces corrosion
- Minimize down times of application
- Adheres to wood, concrete, FRP and metal