



The World's Greatest New Age Construction Materials

5553 Anglers Ave. #101  
 Dania Beach, FL 33312  
 954.326.7413  
 Tech@ddsynergy.biz

# IRN – Aqua Coat 61™



**IRN – Aqua Coat 61:** An advanced generation, 100% solids, high-build epoxy for the protection of steel and concrete. It provides excellent resistance to abrasion and is suitable for use on concrete or steel substrates where there is contact with **potable/drinking water**. Suitable for use in potable storage tanks as well as pipes transporting purified potable drinking water.

*\*When applying over concrete or heavily pitted steel substrates IRN-Aqua Coat 61 should be paired as part of a system with one of our IRN – Liner series products.*

Typical Applications::

Potable Water Treatment	Potable water transport (Pipes)	Potable water storage Tanks
Wastewater Collection	Wastewater transportation (Pipes)	Wastewater treatment structures
Industrial floors	Chemical Containment	Concrete/Steel

Technical Data:

- **Color: High Gloss Medium Gray, Brick Red**
- **Volume Solids: 100%**
- **VOC: 0%**
- **Adhesion to Concrete: (ASTM D4541) Substrate Failure (>2,000 psi on steel).**
- **Shore D Hardness: (ASTM D2240) 85**
- **Tensile Strength: (ASTM D790) >6,000**
- **Flexural/Compressive Modulus: (ASTM D790) >500,000**
- **Wear Resistance Loss: (ASTM 4060. 1,000 cycles) 0.8g**
- **Elongation: (ASTM D412) 28%**
- **Compressive Strength: (ASTM D695) >12,000 psi**
- **Water absorption: (ASTM 570) 0.04%**

*D & D Synergy warrants our products to be free of manufacturing defects in accord with applicable quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product . NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING SALEABLE OR SUITABLE FOR A PARTICULAR PURPOSE.*



The World's Greatest New Age Construction Materials

5553 Anglers Ave. #101  
Dania Beach, FL 33312  
954.326.7413  
Tech@ddsynergy.biz

# IRN – Aqua Coat 61<sup>TM</sup>



Drinking Water  
System Component  
NSF/ANSI 61

## **Technical Data:**

- **Color:** High Gloss Medium Gray,
- **Application:** Squeegee, non-shedding roller, single component spray pump
- **Application Temp:** 50°F - 100°F
- **Volume Solids:** 100%
- **Recoat Time:** 12-24 Hours @ 75°F
- **Cure for use:** @ 75°F, 16- 24 hours
- **Recommended Thickness (DFT):** 30-40 dry mils @ 40-50 sq. ft. per gallon
- **Dry Service Temperature:** 160°F
  
- **Mix Ratio:** 1:1 by volume
- **Packaging:** 2 gallon Units
- **Pot Life** 25-30 minutes @ 75°F
- **Shelf Life:** 48 months if stored correctly

## **Surface Preparation:**

Surface must be clean, dry and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

**Concrete & Masonry:** SSPC-SP13/NACE 6, (ICRI No. 310.2R, CSP 3-5)

**Steel:** Blast to a “commercial” (SSPC-SP6) or “Near White” (SSPC-SP10) blast finish.

**Mixing and Application:** Mix part B thoroughly on its own. Add equal parts part A and B together and mix under slow mixing speed (no more than 600 rpm).

If spraying, up to one pint of MEK or other approved solvent can be added per 2 gallon kit. If 2 coat system is applied, each coat should be between 15 and 20 mils application thickness totaling 30-40 mils, or as specified.

## **If Spraying:**

Use Single component sprayer with following characteristics:

- 0.023” orifice spray tip or greater
- 45:1 ratio spray pump or greater
- 3/8” hoses, with 1/4” whip.

*D & D Synergy warrants our products to be free of manufacturing defects in accord with applicable quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product . NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING SALEABLE OR SUITABLE FOR A PARTICULAR PURPOSE.*