



APPROVED SPRAY APPLICATION EQUIPMENT FOR LIFELAST DURASHIELD 310 AND DURASHIELD 310-61 POLYURETHANES

- A. Hydraulic Spray Machine** – 3:1 (Resin:Activator) volumetric ratio
1. Graco/Gusmer H-35 or HXP3 Hydraulic Spray Machine with #120 (Resin) and #40 (Activator) cylinder setup or comparable.
 2. Transfer Pumps
 - a) Resin: 5:1 Graco Monark or larger
 - b) Activator: 2:1 Graco FastFlo, 5:1 Graco Monark or larger
 3. Mixers/Spray Guns
 - a) Graco Restrictor Manifold (Restrictors – Resin 0.040”, Activator 0.024”) or similar; two 8” long by 1/4” diameter spiral tube mixers; Graco Flex Gun or comparable. Acceptable tips and whip lines are as follows:
 - Whip lines: 1/4” high-pressure spray line no more than 75’ in length.
 - Spray tips: 0.021” minimum.
 - b) Remote manifold with 3/8” x 1/4” heated lines; two 8” long by 1/4” diameter spiral tube mixers; Graco Flex Gun or comparable. Acceptable tips and whip lines are as follows:
 - Whip lines: 1/4” high-pressure spray line no more than 75’ in length.
 - Spray tips: 0.021” minimum.
 - c) Impingement-mix – NOT ACCEPTABLE
 4. Application Temperatures
 - a) Static Mix Setup
 - (1) Resin: 120°F to 160°F
 - (2) Activator: 80°F to 160°F
 - (3) Line Temperature: 120°F to 160°F
 - b) Impingement-Mix Setup – NOT APPLICABLE
 5. Spray pressures: 2000 psi minimum at the gun.
- B. Pneumatic Spray Machine**
1. Graco HydraCat with King Airhead – 3:1 ratio (Resin:Activator) or comparable
 2. Transfer Pumps
 - a) Resin: 5:1 Graco Monark or larger
 - b) Activator: 2:1 Graco FastFlo, 5:1 Graco Monark or larger
 3. Mixers/Spray Guns
 - a) Graco Restrictor Manifold (Restrictors – Resin 0.040”, Activator 0.024”) or similar; two 8” long by 1/4” diameter spiral tube mixers; Graco Flex Gun or comparable. Acceptable tips and whip lines are as follows:

**APPROVED SPRAY EQUIPMENT FOR LIFELAST
DURASHIELD 310/DURASHIELD 310-61 POLYURETHANES**

- Whip lines: 1/4" high-pressure spray line no more than 75' in length.
 - Spray tips: 0.021" minimum.
 - b) Remote manifold with 3/8" x 1/4" heated lines; two 8" long by 1/4" diameter spiral tube mixers; Graco Flex Gun or comparable. Acceptable tips and whip lines are as follows:
 - Whip lines: 1/4" high-pressure spray line no more than 75' in length.
 - Spray tips: 0.021" minimum.
 - c) Impingement-mix – NOT ACCEPTABLE
4. Application Temperatures
- a) Static Mix Setup
 - (1) Resin: 120°F to 160°F
 - (2) Activator: 80°F to 160°F
 - (3) Line Temperature: 120°F to 160°F
 - b) Impingement-Mix Setup – NOT APPLICABLE
5. Spray pressures: 2000 psi minimum at the gun.