



LAUNDERING INSTRUCTIONS FOR THE JAMES™ LEVEL 1 GOWN

INDUSTRIAL LAUNDERING RECOMMENDATIONS:

1. Separate soiled items by blend, colors, soil content and fabric/garment weight to avoid shortened garment life from over wash, physical damage, and cross contamination of garments.
2. Avoid surfaces and conveyances which would snag or damage garments.
3. Promptly mend/repair garments to avoid extending damage (tears, snags, holes). It is recommended that garments with extending damage be removed from service. If repairs are necessary, heat seal patching from same material is the recommended process.
4. Do not overload washing equipment to avoid insufficient cleaning, rinsing or excessive garment wrinkling. Generally, load at 50% to 70% capacity depending on washer pocket configuration.
5. Follow the recommended wash formula according to Table 1. The recommended wash temperature is between 140 °F to 150 °F. Do not exceed 160 °F.
6. Non-chlorine bleaches may be used as required for stain removal and sanitizing. Always adjust wash chemistry for optimum bleaching activity. Any bleach can cause color deterioration. Chlorine bleach is not recommended, but if used, always use antichlor in one of the final rinses. Never use chlorine bleach when garment has nylon fabric components.
7. Do not use softeners or topical, anti-static finishes as they may mask the fluid resistant properties.
8. Tumble dry with cool-down cycle to minimize wrinkling.
9. Tumbler temperatures should be achieved that result in garment temperature of 240 °F to 280 °F maximum. Frequently check tumbler for overheating and hot spots. Unload immediately and hang or fold garments to minimize wrinkling.
10. All loads should be soured. Sour to pH range 5.5 – 6.0. Do not use rust preventive sours.

TABLE 1. RECOMMENDED INDUSTRIAL WASH FORMULA

CYCLE	WATER LEVEL	TEMP (°F)	TIME (MIN)	SUPPLIES	COMMENTS
Flush	HIGH	100	2 mins	None	
Flush	HIGH	100	2 mins	None	pH 10.5 Max (750 PPM Max)
Break	LOW	140-150	8 mins	Built detergent ¹ , Nonionic or anionic detergent, Other treatment as required	
				None	
Carry-over	LOW	140-150	6 mins		
				Bleach ²	
Bleach	LOW		8 mins		See finishing recommendations
				None	
Rinse	HIGH	140	2 mins		
				None	
Rinse	HIGH	120	2 mins		
				None	
Rinse	HIGH	100	2 mins		
				None	
Rinse	HIGH	100	2 mins		
				Sour ³ Other ⁴	
Sour & Retreat	LOW	100	3 mins		Ending pH 5.5 to 6.0
Extract		80	6 mins		Medium Speed

¹Do not use high PH or solvated detergents. ³Do not use rust preventive sour.
²Bleaching chemicals and process requirements vary. ⁴Varies with manufacturer.

HOME LAUNDERING RECOMMENDATIONS

1. Sorted and washed gowns separately from other garments.
2. Machine wash in warm water with standard detergent using permanent press cycle.
3. Use non-chlorine bleach if needed.
4. Do not use fabric softener or dryer sheets.
5. Tumble dry with high heat using permanent press cycle, remove promptly after drying.
6. Warm iron if needed.