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**Tech Tip: #200**

**Processing Instructions for Synergy™ Dust Mops**

The following procedures for machine washing Synergy Dust Mops will assure maximum performance and longevity. Do not process Synergy Dust Mops with standard cotton dust mops. Synergy Dust Mops should be segregated by yarn color. Mixing backing or fabric color is acceptable. Bleach is not recommended.

Step	Operation	Level	Temp.	Minutes	Supplies
1.	Flush	High	120°F - 50°C	2	
2.	Flush	High	140°F - 60°C	2	
3.	Break/suds	Low	140°F - 60°C	10	6oz. built (non solvent) detergent. for each 100 lbs. - ph 8.5 - 11.5 max.
4.	Rinse/extract	High	140°F - 60°C	3	
5.	Rinse/extract	High	80°F - 27°C	2	
6.	Rinse	High	80°F - 27°C	2	
7.	Rinse	High	Cold	2	

**Additional Processing Information:**

Centrifugal Extraction: Bring to full speed (300 rpm) for 6 minutes and release.  
 Hydraulic Extraction: **NOT RECOMMENDED**

**Drying:**

Compared to cotton mops, drying time is significantly reduced with Synergy Dust Mops. Drying times will vary depending on your geographical location, equipment and the environment and load size. Start by tumbling these mops for 8 minutes at **160°F** incoming temperature, **120°F** exhaust( If available on your equipment reverse the dryer drum during the drying cycle, it reduces the drying time and will not create heat pockets in the mop/yarns prolonging their service life). When programming auto dryer settings, monitor temperature for the first 3-6 loads, stop temperature when **140°F** is reached, then begin cool down after set point has ran for 3-5 minutes. Cool to 90 - 100°F before unloading, **mops SHOULD NOT BE FULLY DRY; moisture content should be approximately 10%, unless they are being poly wrapped directly from dryer.**

## **Synergy™ Dust Mop processing instructions continued, page #2**

### **Handling/Processing:**

- 1.) The final rinse water should be checked to determine the amount of active alkali. If higher than 50ppm over tap, an additional rinse will be necessary. To insure the total removal of excess alkali, souring may be desired. This should be done according to the recommendations of the supplier of the souring chemical.
- 2.) All of the processing temperatures are very critical. High washing and drying temperatures can severely damage the fibers.
- 3.) Bleach is not recommended. If used, amount should not exceed the equivalent of 1 quart of 1% concentrate/ 100 lbs. - 20 ml/kg of mops at 10.0 - 10.5 ph.
- 4.) During the first use or first laundering, some indicator color may be visible in the solution. This color is not a dye, however pre-rinsing before use may be desired.
- 5.) Do not process Synergy Dust Mops with standard cotton dust mops and segregate the mops by yarn color.

If you require additional information or require further assistance, please call our customer service department at 1-800-821-2792 or 1-816-842-0233 or email @ [goldenstar@goldenstar.com](mailto:goldenstar@goldenstar.com)