

Tech Tip: #201

Processing Instructions for Synergy™ Wet Mops

We recommend that Synergy Wet Mops be separated from other mops for best quality. **Do not exceed 140° F in temperature.**

Step	Operation	Level	Temp.	Minutes	Supplies
1.	Flush	High	80°F - 27°C	2	
2.	Flush	High	140°F - 60°C	2	
3.	Break/suds	Low	140°F - 60°C	8	8oz. built (non solvent) detergent 100 lbs. - 4g/kg ph 8.5 - 11.5 maximum
4.	Rinse/Extract	High	140°F - 60°C	3	
5.	Rinse/Extract	Low	140°F - 60°C	2	
6.	Rinse	Low	80°F - 27°C	2	Active alkalinity no greater than 50 ppm higher than tap water

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 Wet 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.

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Handling/Processing:

- 1.) The final rinse water should be titrated 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.

Additional Longevity Tips:

- 1.) Rinses should be at low level and the final two rinses should be with cold water.
- 2.) Careful initial processing is essential for maximum mop head life.
- 3.) Separate all Synergy Wet Mops from other mops and do not exceed 140° F.