

## FACILITIES SERVICES

## MAINTENANCE

# CLEANING SURFACE MOLD GROWTH ON HARD SURFACES

**Level IV: Extensive Contamination** (100+ sq. ft.)

Note: If abatement procedures are expected to generate a lot of dust (e.g., abrasive cleaning of contaminated surfaces, demolition of plaster walls) or the visible concentration of the mold is heavy (blanket coverage as opposed to patchy), it is recommended that the remediation procedures for Level IV be followed.

TASK	HAZARDS	CONTROLS
1. Inspect for all visible mold and outline scope of work for removal.	Improper scope of work	<ul style="list-style-type: none"> <li>Contact EHS for direction or inspection assistance.</li> </ul>
2. The work area should be unoccupied. Removing people from spaces adjacent to the work area is not necessary due to full containment of work area but is recommended for infants (less than 12 months old), persons recovering from recent surgery, immune-suppressed people, or people with chronic inflammatory lung diseases (e.g., asthma, hypersensitivity pneumonitis, and severe allergies).	Can cause health related concerns for Infants (less than 12 months old), persons recovering from recent surgery, immune-suppressed people, or people with chronic inflammatory lung diseases (e.g., asthma, hypersensitivity pneumonitis, and severe allergies).	<ul style="list-style-type: none"> <li>Open line of communication with occupants and building contacts.</li> </ul>
3. Gather PPE and cleaning materials	Personal exposure and incomplete cleaning	<ul style="list-style-type: none"> <li>Proper PPE (see below) and cleaning materials</li> </ul>

	<p>4. Surfaces in the work area that could become contaminated should be covered with a secured plastic sheet(s) before remediation to contain dust/debris and prevent further contamination.</p> <p>Complete isolation of work area from occupied spaces using plastic sheeting sealed with duct tape (including ventilation ducts/grills, fixtures, and other openings);</p> <p>The use of an exhaust fan with a HEPA filter to generate negative pressurization</p> <p>a) Operate HEPA Air scrubber in the contaminated area  b) HEPA Vac all surfaces  c) Clean all visible mold with plain water or with water and detergent solution.  d) Remove or discard all contaminated porous surfaces  e) Repeat HEPA vac of all surfaces</p>	<p>Spreading of spores and odors outside work area'</p>	<ul style="list-style-type: none"> <li>• Use of negative air HEPA filtration and containment barriers are required. Contact EHS for assistance.</li> </ul>
	<p>5. Don PPE</p>	<p>Personal exposure</p>	<ul style="list-style-type: none"> <li>• Proper Donning of PPE</li> </ul>
	<p>6. Clean all visible mold with plain water or with water and detergent solution. Stronger cleaners may be required for stained surfaces. Use of these cleaners must be approved by EHS.</p>	<p>Areas of mold not thoroughly cleaned can regrow</p>	<ul style="list-style-type: none"> <li>• Replace wiping cloths frequently to prevent re-contamination</li> <li>• Inspect area to ensure that all visible mold has been removed</li> </ul>
	<p>7. Place all used cleaning materials in trash bags, tie bags and dispose of in regular trash</p>	<p>Improper handling can cause spreading of spores</p>	<ul style="list-style-type: none"> <li>• Ask supervisor for assistance if unsure</li> </ul>
	<p>8. Inspect area for possible leaks or water intrusion.</p>	<p>If water intrusion continues mold growth will re-occur</p>	<ul style="list-style-type: none"> <li>• Report findings to supervisor and EHS</li> </ul>

<p><b>Other Information:</b></p> <p><b>Contributors:</b></p> <p><b>Created:</b></p> <p><b>JSA Library Number:</b></p>	<p><b>Required Training:</b></p> <ol style="list-style-type: none"> <li>1. Mold Remediation</li> <li>2. PPE</li> <li>3. Ladder Safety</li> <li>4. Respiratory Protection</li> </ol>	<p><b>Required Personal Protective Equipment (PPE)</b></p> <ol style="list-style-type: none"> <li>1. Protective gloves</li> <li>2. Eye protection</li> <li>3. Tyvek suit</li> <li>4. Full face piece respirators with HEPA cartridges</li> </ol>
	<p>This JSA applies to areas 100 + sq. ft. Abatement procedures are expected to generate a lot of dust (e.g., abrasive cleaning of contaminated surfaces, demolition of plaster walls) or the visible concentration of the mold is heavy (blanket coverage as opposed to patchy).</p> <p>References: A Brief Guide to Mold in the Workplace, OSHA, updated 11-08-19</p> <p>June 2019</p> <p>For more information about this JSA, contact the  UNC-CH Department of Environment, Health and Safety  1120 Estes Dr.  Chapel Hill NC 27599  919-962-5507- <a href="https://ehs.unc.edu">https://ehs.unc.edu</a></p>	