

## TPO MEMBRANE CLEANING GUIDE

CLEANING IB TPO MEMBRANES:		PROCEDURES:	MATERIALS:
<b>Light Cleaning: In-Seam / Lap Area - (Loose Dust, Dirt, Debris)</b>	Contaminants such as loose dirt and debris located within lap can often be removed with only basic cleaning and seam preparation.	<ul style="list-style-type: none"> <li>• Remove loose contaminant, debris, or dirt from between laps.</li> <li>• Wipe lap areas down with a wet rag (water only).</li> <li>• Where needed, use a small amount of detergent and carefully clean with wet rags to remove all soap residues.</li> <li>• Finish with a dry clean cloth.</li> </ul>	<ul style="list-style-type: none"> <li>• Clean water</li> <li>• Cotton rags</li> <li>• IB Membrane Cleaner</li> </ul>
<b>Pre-Welding: In-Seam / Lap Area - (Light Cleaning / Moisture Removal)</b>	Laps not completed by close of day or that exhibit any evidence of moisture must be dried and prepared in accordance with this procedure before welding and completion.	<ul style="list-style-type: none"> <li>• Wipe all surfaces within lap areas with a clean dry cloth to remove any loose dirt, debris, or moisture.</li> <li>• Follow with lightly dampened cloth using a small amount of IB Membrane Cleaner applied to rag only.</li> <li>• Do not use solvents (other than IB Membrane Cleaner) outside of lap area as it can remove membrane finish or result in discoloration.</li> <li>• Use of degreasers is <b><u>NOT RECOMMENDED</u></b> (e.g., Simple Green) which can leave a film residue.</li> <li>• Finish with a dry clean cloth and allow it to completely dry.</li> </ul>	<ul style="list-style-type: none"> <li>• Clean water</li> <li>• Cotton rags</li> <li>• IB Membrane Cleaner</li> </ul>
<b>General Surface Cleaning: Roof Maintenance - (Dirt, Stains, Light Algae)</b>	Solvents and harsh cleaning compounds are <b><u>NOT RECOMMENDED</u></b> and should not be used for general cleaning of the roof membrane surface. Solvents (other than IB Membrane Cleaner) may remove membrane finishes and result in discoloration or damage.	<ul style="list-style-type: none"> <li>• Sweep up and remove loose dirt, debris, and contaminants.</li> <li>• Where heavy dirt and deposits exist use a mild soap detergent or cleaning compound with soft bristle brush or push broom.</li> <li>• Follow manufacturer directions for prepared cleaners such as IB Roof Cleaner Concentrate.</li> <li>• Fully rinse roof surface with a garden hose equipped with a spray nozzle to remove cleaning detergents and residue. Avoid damage to roof membrane and flashings from use of high-pressure power washers.</li> <li>• Contact IB Technical Services for information on cleaning compounds and refer to the published IB Chemical Resistance Chart for additional information.</li> <li>• IB Roof Systems assumes no responsibility for damage resulting from efforts related to cleaning operations.</li> </ul>	<ul style="list-style-type: none"> <li>• Clean water</li> <li>• Cotton rags</li> <li>• Soft bristle broom/brush</li> <li>• Powdered, plain soap detergent (e.g., Tide®)</li> <li>• IB Roof Cleaner Concentrate</li> </ul>

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<b>Heavy Cleaning: In-Seam / Lap and General Surface Areas - (Bitumen, Acids, Caustics, Oils)</b>	<p>Contaminants such as asphalt, adhesives, primers, sealants, and similar materials require immediate removal before they set up, cure or dry in place.</p> <p>Certain contaminants can penetrate the membrane, become irremovable after drying, or require complete removal due to incompatibility. Contact IB Technical Services for membrane exposures to acids, caustics, refrigerant oils, masonry cleaners, solvents / fuels, and similar compounds.</p>	<ul style="list-style-type: none"> <li>• Wipe-up immediately with a clean dry rag.</li> <li>• Depending on contaminant type:               <ul style="list-style-type: none"> <li>• Clean the remaining deposit with water and a mild detergent.</li> <li>• Use a light wipe of IB Membrane Cleaner on heavier deposit.</li> <li>• Remove asphalt with a mild degreasing detergent soap; apply a small amount to a clean rag and dab or carefully wipe to remove deposit. Do not pour on membrane; use sparingly and avoid spreading contaminant.</li> <li>• Follow with thorough cleaning to remove all residues using a clean rag lightly dampened with IB Membrane Cleaner.</li> <li>• Change or turn rags frequently to ensure cleanliness, finish with a dry clean cloth, and allow it to dry.</li> </ul> </li> <li>• Areas which cannot be effectively cleaned or that adversely affect welding quality must be replaced.</li> <li>• When solvents and cleaning compounds are used in the field of roof or on exposed surfaces it can result in membrane damage, discoloration, or loss of factory finish.</li> <li>• Consult IBRS TPO Chemical Resistance Chart for additional information on cleaning materials.</li> </ul>	<ul style="list-style-type: none"> <li>• Clean water</li> <li>• Cotton rags</li> <li>• Soft bristle broom/brush</li> <li>• Powdered, plain soap detergent (e.g., Tide®)</li> <li>• Mild liquid soap</li> <li>• IB Membrane Cleaner</li> </ul>
<b>Membrane Repair Cleaning: (Dirt, Debris, Weathered Membrane)</b>	<p>Existing IB membranes typically remain weldable and repairable after careful cleaning and preparation.</p> <p>Where surface cleaning and preparation of weathered or aged membrane areas do not facilitate a suitable weld, new materials may often be welded to the nonexposed underside of the existing membrane after preparation.</p>	<ul style="list-style-type: none"> <li>• Clean existing IB membrane with clean wet rag and detergent as needed to remove dirt and other contaminants. Remove residue with clean wet rags.</li> <li>• Follow with lightly dampened clean cloth using a small amount of IB Membrane Cleaner applied to rag only to remove heavier contaminant and to prepare weld areas for seaming.</li> <li>• Do not pour solvent onto membrane, use sparingly, and pour a small amount onto a clean rag. Wipe the upper and lower lap surfaces changing rags frequently to ensure cleanliness.</li> <li>• Clean only the area needed for welding new materials to the existing and avoid use solvent outside of lap area as it can remove membrane finish or result in discoloration.</li> <li>• Use of degreasers are <b><u>NOT RECOMMENDED</u></b> (e.g., Simple Green®) which can leave a film residue.</li> <li>• Finish with a dry clean cloth and allow it to completely dry.</li> </ul>	<ul style="list-style-type: none"> <li>• Clean water</li> <li>• Cotton rags</li> <li>• Soft bristle broom/brush</li> <li>• Powdered, plain soap detergent (e.g., Tide®)</li> <li>• Mild liquid soap</li> <li>• IB Membrane Cleaner</li> </ul>