

How Sparkle's Exclusive Active Drying System™ Works

Sparkle's Active Drying System™ (ADS), is a programmatic structural drying system based on psychrometric principles and extensive real-world experience. Psychrometry is a branch of physics that focuses on the study of the physical and thermodynamic properties of moist air. Psychrometric calculations are an effective tool to deliver faster, guaranteed drying with minimal structural impact.



Following is a step-by-step summary of how we use ADS™ to handle water damages:

 <p>We arrive at your home or business within 60 minutes of your call (within Orange County).</p>	 <p>We assess the source, date and time of the beginning of the loss, extent and type of water damage (clean, gray or black).</p>	 <p>We draw a moisture map with the aid of various types of digital moisture sensors in order to get a better picture of how the water traveled across the affected area.</p>
 <p>Based on our findings, we develop a plan for dry-down and create an estimate for your approval.</p>	 <p>We go to work by extracting as much water as we can in its liquid state.</p>	 <p>We setup the necessary number of axial air movers and low-grain refrigerant dehumidifiers (LGRs), in order to create one or more "drying chambers" that will pull moisture from all affected materials as quickly and safely as possible.</p>
 <p>If the damage is a class 2 (grey water) or class 3 (black water), we will have to remove and dispose of all construction materials affected by contaminated water.</p>	 <p>We utilize other special drying machines for specific circumstances, such as hardwood, laminate, stone and ceramic tile floors.</p>	 <p>We take a number of temperature and relative humidity readings at the start of the project and every day until we complete the drydown process. We use psychrometric calculations to make sure all materials are drying as expected.</p>
 <p>We complete the drying process when our psychrometric calculations tell us that the affected area(s) are fully dry. We verify our results with our moisture sensors.</p>	 <p>We focus on getting your home or business back to its pre-loss condition in the shortest amount of time and with as little inconvenience to you as possible.</p>	 <p>We conduct a walk-through with you at the end of the job to make sure you are satisfied with the service experience you received and with the quality of our work.</p>