



Blow machines and hoses are critical to sufficiently breaking up blow-in fiberglass to achieve manufacturer's published R-value coverage. The following mechanical and installation practices negatively impact installed coverage, but can be easily remedied:

Problem	Impact	Reason	Correction/Solution
Mechanical: Cause, Effect and Corrections			
Worn blow hoses	10-20% Coverage Loss	Sharp, corrugated ridges on interior of hose help condition and fluff up material	<input type="checkbox"/> Flip and rotate hoses after 50 hours – maximize sharp internal corrugated edges <input type="checkbox"/> Regular replacement of 150' of 4" diameter hose after 300 hours of use
Cracked hoses and duct taped connections	5-10% Coverage Loss	Using tape can cause misalignment of hose ends, causing material build up which in turn can cause the material to compact resulting in loss of coverage	<input type="checkbox"/> Install stainless steel connectors between hoses <input type="checkbox"/> Install recommended clamps around connections
Tight bends and kinks in hose	5-10% Coverage Loss	Creates resistance and impedes material flow	<input type="checkbox"/> 10' minimum of hose should be run straight out from the outlet of the machine <input type="checkbox"/> Bends should not be less than a 4' radius
Improper machine settings	10-20% Coverage Loss	Incorrect settings can lead to under-conditioned material	<input type="checkbox"/> Check JM packaging for recommended settings
Worn airlock seals	5% Coverage Loss	Allows air and material to leak back into the hopper	<input type="checkbox"/> Inspect and replace annually
Hose not long enough	5% Coverage Loss	Material needs the proper amount of hose to be properly conditioned	<input type="checkbox"/> Ensure hose is at least 150' long
Debris in shredder	5% Coverage Loss	Plastic and other material wrapped around shredder shafts impacts processing of fiber	<input type="checkbox"/> Clean shredder regularly
Installer: Cause, Effect and Corrections			
Hard or wet insulation	10%-30% Coverage Loss	Impacts coverage and can cause damage to the machine	<input type="checkbox"/> Do not use material that does not immediately expand when bag is opened
Using hand to direct fiberglass stream or pointing hose downward	5-30% Coverage Loss	Fibers compact when they contact hand	<input type="checkbox"/> Allow material to flow freely in 10'-12' arc
Overfilling hopper	5-10% Coverage Loss	Too many bags compresses material and obstructs tines resulting in poorly conditioned material	<input type="checkbox"/> Put not more than 2-3 bags in the hopper at a time

For any additional questions please contact the JM TechConnect team at 800-654-3103.