

# The Battle of Sizing – Small Versus Large Single Ply Rolls

# **How Does It Impact Your Project?**

**Roll Weight:** Smaller rolls are lighter than larger ones, which is crucial when planning how to lift or load them onto the roof. Heavier rolls require more people to handle safely to prevent injuries.

IB PVC 6' Roll: 200 lbs10' or 12' Roll: 400+ lbs

30% of work-related injuries are low back injuries, costing employers an average of \$8,500 per incident.



**Codes Matter:** It's essential to know the number of fasteners required for each roll size. In high wind uplift scenarios, 10' or 12' rolls may need additional fasteners.

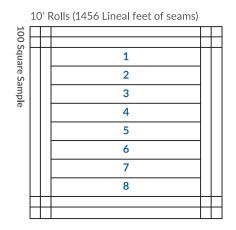
To achieve I-90 Wind Ratings	
Roll Size	Fastening Requirement
6' roll	12" on center
10' roll	6" on center

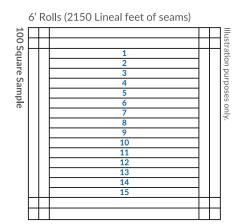
Larger rolls may require up to 50% more fasteners and additional man hours.

#### **Smaller Rolls Are Labor Neutral.**

**IB 6' Roll PVC Example:** In a 100 square sample, there are 694 more lineal feet of welding. This only equates to 1.5 additional man hours.

**Welding Stats:** While smaller rolls require more welding, this increase is minimal since the field is typically welded by one person using a machine.





Welding seams at 14' per minute, operated by one man requires only 50 minutes additional man hours as compared to using 10' Rolls using more fasteners.

\*Based on a 4 man crew over 4 days.

#### **Other Considerations**

- Obstacles and Pentrations: If your installation involves many obstacles and penetrations, smaller rolls are easier to maneuver and may require less cutting.
- Multi-layer system: The installation time for other roofing system layers (insulation, coverboards, vapor barriers) remains unchanged regardless of roll size. Only the top waterproofing layer is affected.



## **Advantages of IB PVC**

- **No Snap-Back:** IB PVC can be installed immediately upon roll-out. Many other manufacturers require the material to lay flat for 15 30 minutes.
- **Formulation:** IB PVC uses the same formulation above and below the scrim providing an easy, wide welding window.
- **Minimal Installation Cleaning Requirements:** The sheet does not need to be cleaned with solvents before welding due to our unique PVC top coating. Other manufacturers require each seam to be cleaned with membrane cleaner prior to welding.
- No Edge Caulking or Sealants: These are not required for IB PVC installations due to our specialized scrim.
- **T-Patches:** Many installations do not require T-patches.

### **IB Roof Systems**

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