CARLISLE SYNTEC SYSTEMS

# Rig Splatter FAQ's

**Q: What equipment can be used to achieve splatter application?**

**A:** Approved pieces of equipment are the HULK with HULK Gun, the Patriot Jr. with VEE-AIR ONE SP gun, or a high-pressure rig using a HULK or VEE-AIR ONE SP gun.

**Q: Can a PaceCart achieve splatter application?**

**A:** No, the PaceCart does not have the necessary fluid pressure and air capabilities required to achieve splatter.

**Q: What technique is used to achieve splatter application out of rigs?**

**A:** Splatter application is achieved by applying adhesive continuously, allowing for a 50% overlap on each consecutive pass. Adhesive should cover 50% of the total substrate, achieving a coverage rate of 0.5 gallons per square. The motion and techniques are similar to applying CAV-GRIP® III.

**Q: What other manufacturers are offering rig splatter?**

**A:** As of January 1, 2021, Carlisle is the only manufacturer with FM and UL approvals for rig splatter application.

**Q: Can splatter be used for wall attachment?**

**A:** No, splatter cannot be utilized for wall attachment. Rig splatter is used for insulation attachment and FleeceBACK® membrane attachment on non-vertical surfaces.

**Q: What are the differences between Dual Tank splatter and rig splatter?**

**A:** Due to the different formulations and dispensing methods, Dual Tank splatter is limited to FleeceBACK membrane attachment ONLY. The drum formulation combined with the rig splatter provides more rise and depth in the adhesive, allowing superior adhesion for board-like products such as insulation, cover board, etc.

**Q: How does rig splatter compare to 4", 6", and 12" beads and full spray application?**

**A:** **4" beads** – Rig splatter provides similar uplift performance to 4" beads, which allows Carlisle to provide similar warranty terms such as length and wind speed. Unlike 4" beads, rig splatter does not give the additional coverage supplements of 1" hail and 4 man-hours for accidental puncture. Rig splatter eliminates common aesthetic concerns associated with bead applications telegraphing through the membrane. Rig splatter has a much higher speed of application compared to 4" beads, resulting in increased production for membrane and insulation attachment.

**6" beads** – Rig splatter provides improved performance compared to 6" beads, while also delivering an additional coverage rate of 40%-50%. Rig splatter eliminates common aesthetic concerns associated with bead applications telegraphing through the membrane. Rig splatter has a higher speed of application compared to 6" beads, resulting in increased production for membrane and insulation attachment.

**12" beads** – Rig splatter provides a higher level of performance compared to 12" beads, while also delivering a comparable coverage rate. Rig splatter eliminates common aesthetic concerns associated with bead applications telegraphing through the membrane. Rig splatter has an increase in speed of application compared to 12" beads, resulting in increased production for membrane and insulation attachment.

**Full spray at 1 gallon per square** – Rig splatter provides similar uplift performance to full spray, which allows Carlisle to provide similar warranty terms such as length and wind speed. Unlike full spray, rig splatter does not give the additional coverage supplements of 1" hail and 4 man-hours for accidental puncture. Rig splatter has similar aesthetic benefits. Rig splatter has a much higher speed of application compared to full spray, resulting in increased production for membrane and insulation attachment. Unlike full spray, rig splatter does not atomize, resulting in fewer safety and overspray concerns.

**Q: What temperature restrictions does rig splatter have compared to beads and full spray application?**

**A:** There are no differences in temperature requirements for rig splatter. As a reminder, 25°-120°F (-4°-49°C) are the acceptable ambient (outside) temperatures to apply Flexible FAST™ adhesive. If using the proper heated equipment, those temperatures can be extended to 0°-120°F (-18°-49°C). The material temperature of Flexible FAST Adhesive MUST be kept between 70°-90°F (21°-32°C) at all times by using proper storing techniques, heated blankets, hot boxes, etc.

**Q: How do I know if I'm covering 50% of the substrate?**

**A:** To qualify for splatter, a 50% coverage of the total substrate at a rate of 0.5 gallons per square is required, allowing for a 50% overlap on each consecutive pass. For a visual example, please watch the rig splatter application video located here.

**Q: Can rig splatter be used when it's windy out?**

**A:** Full spray applications atomize the adhesive due to the air-pressure required to apply the product. Splatter applications use less air and apply dispensing the adhesive in larger droplets, reducing the chance of over-spray on job-sites.

**Q: How long do I need to wait until I can put in my next layer when using rig splatter?**

**A:** The amount of time needed to wait until the next layer is dependent upon "string time". Testing for string should always be your indicator, and that time is determined based on a variety of conditions like temperature, humidity, direct sunlight, etc.

**Q: Does FM recognize splatter application as an approved technique?**

**A:** Dual Tank splatter and rig splatter applications are both FM approved, but they are recognized differently. Dual Tank splatter application is approved for membrane applications only, while rig splatter is approved for membrane and insulation attachment.

**Q: What type of air compressor do I need with my equipment?**

**A:** There must be enough air to achieve the consistent pressure values outlined in Carlisle's Specifications for splatter. Consult the equipment manufacturer for recommendations.

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