HULK SYSTEMS

Spray Equipment Guide for HULK STPE®

Best Practices for Moisture-Cure STPE Waterproof Coatings

Why Equipment Matters

Product Challenges:

- Moisture-cure chemistry
- High solids
- Rapid skinning
- Dedicated equipment necessity

Hulk STPE® is a high-performance moisture-cure waterproof membrane. Proper spray equipment selection is critical to maximize production, prevent contamination, and reduce maintenance downtime.

NOTE: Can also be applied by spray, roller, or trowel - apply up to 60 mils in a single lift

Recommended Equipment

Application	Unit	Benefit
Entry-Level	Graco GH 733	Best overall starter system
Mid-Production	Graco GH 833	Longer hose runs/high footage
Industrial	WIWA Herkules GX	Best maintenance tolerance
Value Option	Titan Hydra X75	Good lower-cost hydraulic option



Recommended Spray Setup

Hose Recommendations

- 1/2" main hose
- Minimize whip length
- Dedicated hose sets only

Tip Recommendations

- 531–635 range
- Larger tips reduce stress

Pressure Recommendations

- Optimize for atomization
- Avoid unnecessary peak pressure

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Why These Systems?

- Handles high-build coatings up to 60 mils
- Supports high-pressure spray applications
- Better resistance to moisture-cure plugging
- Large fluid passages reduce downtime
- Easier maintenance & lower replacement costs

Best Practices

- Always use dedicated moisture-cure equipment
- Flush immediately after spraying
- Store drums sealed from humidity
- Protect pump intake from atmospheric moisture
- Inspect filters daily during high-build applications
- Keep Equipment Maintenance & Cleaning Procedures Guide Accessible

Contamination Prevention

- Dedicate equipment to solely the STPE
- Avoid waterborne contamination
- Use desiccant breathers to reduce moisture contamination
- Flush immediately after use with Xylene
- Never leave product stagnant

Maintenance & Troubleshooting

Problem	Likely Cause	Prevention
Pressure Spike	Partially Cured Material	Flush Immediately
Pump Seizure	Moisture Contamination	Desiccant & Dedicated Rig
Tip Plugging	Material Skinning	Reverse clean tips regularly
Poor Spray Pattern	Small hose/tip	Use larger fluid passages

DO NOT USE

- Shared acrylic rigs
- Small electric airless pumps
- Contaminated hoses
- Water-contaminated solvent