

CASE STUDY - Waterproofing

Graco GH933 Spray High-viscosity Silicon Coating National Speed Skating Oval, Beijing, China



National Speed Skating Oval is one of the main competition venues for 2022 Beijing Winter Olympics. The full oval takes more than 20,000 square meters. In Nov 2020, Graco was involved in the roof waterproofing construction.

Challenge:

The material CARLISLE silicone coating SeamlessSEAL ULTRA HSLV was used for this application. It is designed to provide superior protection for wide range of building surfaces as well as for weather protection of SPF Roofingsystems. As high viscosity of this material, it could not applied by traditional roller and brush but requires sprayer which can spray at minimum 3500 psi and flow rate at 2.5GL/min. Also it is not recommended to be applied at temperatures below 4°C or if inclement weather is expected within 1 hour of application.

Before constructions applied on oval, customer did a lot of tests with several sprayers but the paint atomization was not good as their expectations although these sprayers can work at pressure 3500 psi.

Solutions:

Graco GH 933 showed a perfect match for this application as it can provide a big paint pressure maximally at 7250psi and 9.5GL/min flow rate so that it made a perfect atomization effects on this Silicone coating during the test. Eventually they selected is Graco GH933 together with tip LTX519 as the solution for this project.

Results:

GH933 made a great success for painting the high viscosity material to the oval. Customers were highly satisfied with the coating quality and much appreciated Graco finish it within the tight schedule.

Whether you need high pressure for long hose runs or hard-to-atomize materials, or high flow rates for heavier coverage, the GH 933 can get the job done.

Location:

Beijing, China

Project size: 20,000 sqm

Materials:

CARLISLE silicone coating SeamlessSEAL ULTRA HSLV

Application description:

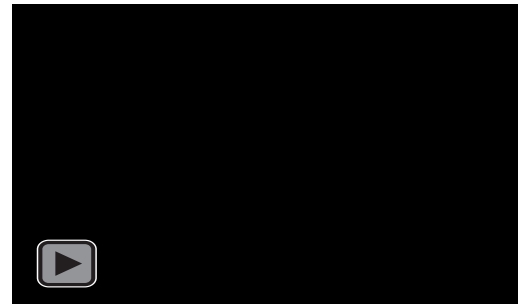
Flow rate: 9.5GL/min

Working pressure : 7250PSI

Products:

Machine: GH 933

Accessories: TIP LTX 519



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