



Project Profile

Waterproofing Manufacturing Company Provides Residential Building with Low Odor Solution for Parking Deck

Tenants Protected from Exposure to High-Odor Solvent Chemicals

Project Summary

A well-established waterproofing manufacturing company based out of Los Angeles was faced with a unique opportunity to quickly waterproof a large parking deck while mitigating the odor and harmful chemicals to tenants set to be residing in the building. The project, on Wilshire, in Los Angeles, needed an effective, yet timely solution to waterproofing their 120,000 square foot parking deck in their residential building project. Vapor intrusion and chemical odors often cause uncertainty for owners. With tenants moving in, the owner needed a product not only devoid of those harmful chemicals and odors, but also needing a product with an easy installation and fast cure time in order to move up the project timeline. They turned to AVM Industries' trusted vehicular traffic coating system, the **Aussie Coat 620V**. The **620V** is a two component, fast setting and rapid curing, solvent free polyurea/urethane waterproofing membrane. The **620V** is a heavy-duty waterproofing membrane that can be used on prepared interior or exterior concrete, along with under asphalt overlays, plywood, and metal surfaces.

Application

The **Aussie Coat 620V** installation on this site was completed by ArtDeck. After ensuring a proper, smooth, and clean substrate to apply the **620V** on, the applicator used a simple mechanical mixer to mix Part A and B of the **620V** separately for 1-2 minutes, to obtain a uniform color, and then mixed the combined Part A and Part B for another 2-3 minutes. After mixing, the base coat was applied at a rate of 80 sq/ft per gallon. After drying and a subsequent aggregate broadcast of silica sand, a topcoat was applied, and with a tack free time of only 3 or 4 hours, the complete installation from start to finish was able to be completed in just 5 days.

Figure 1a: Aussie Coat 620V being mixed. Mixing is a simple process as the 620V is two-component system that is easily mixed on site in a short amount of time.



Figure 2a: Aussie Coat 620V being applied and rolled out on the parking deck. The self-leveling properties of the 620V make for ease of application when rolling out.



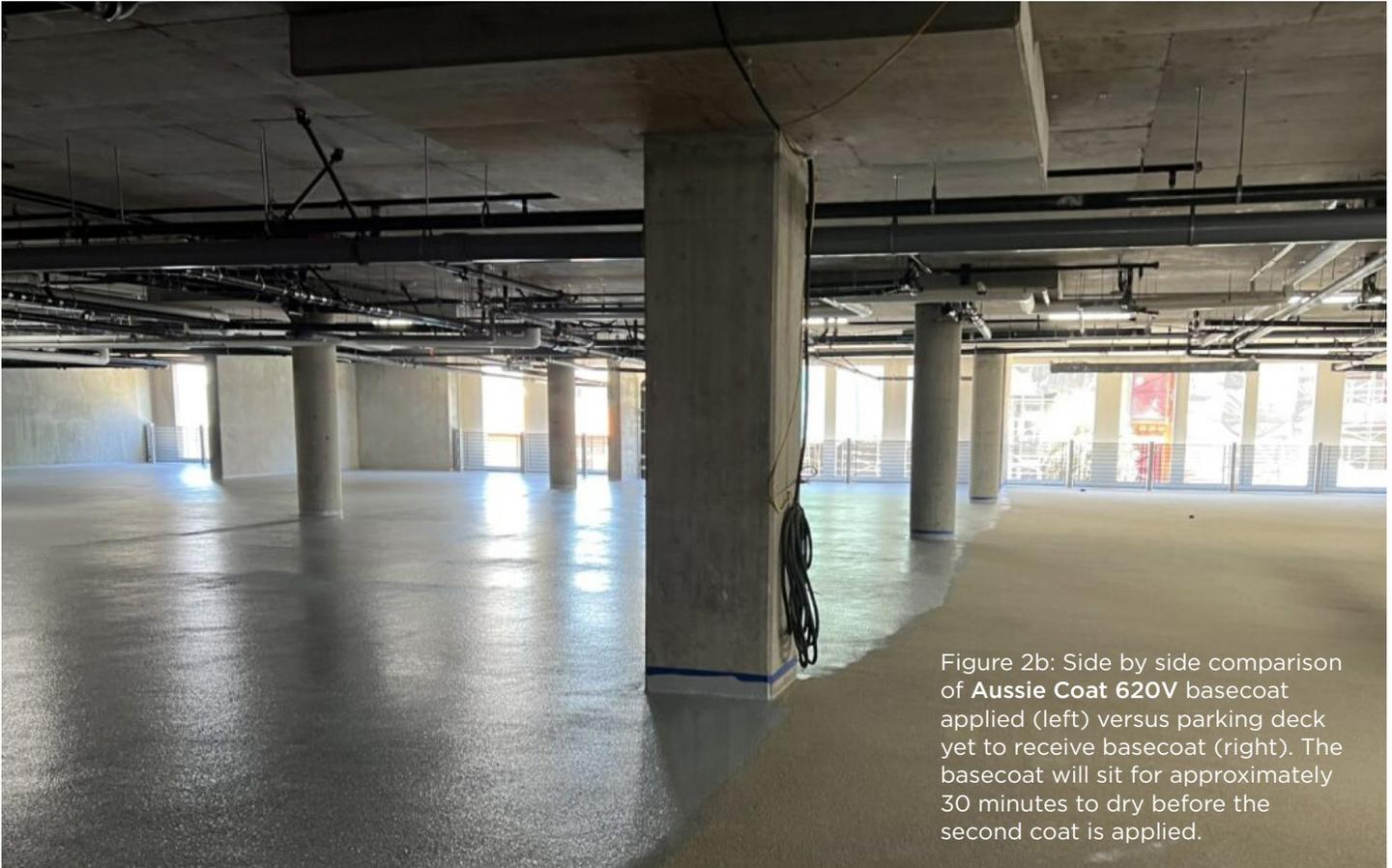


Figure 2b: Side by side comparison of **Aussie Coat 620V** basecoat applied (left) versus parking deck yet to receive basecoat (right). The basecoat will sit for approximately 30 minutes to dry before the second coat is applied.

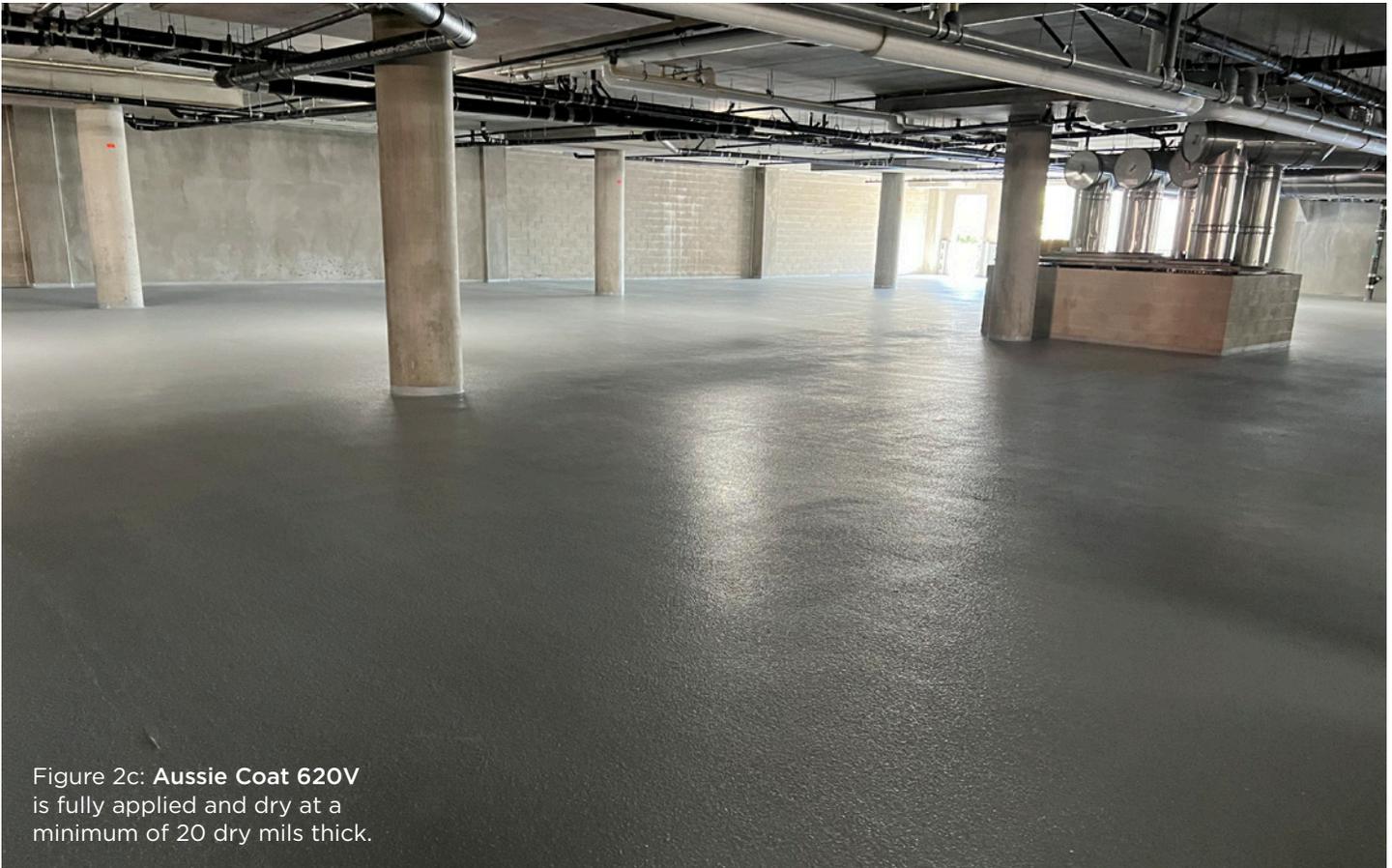
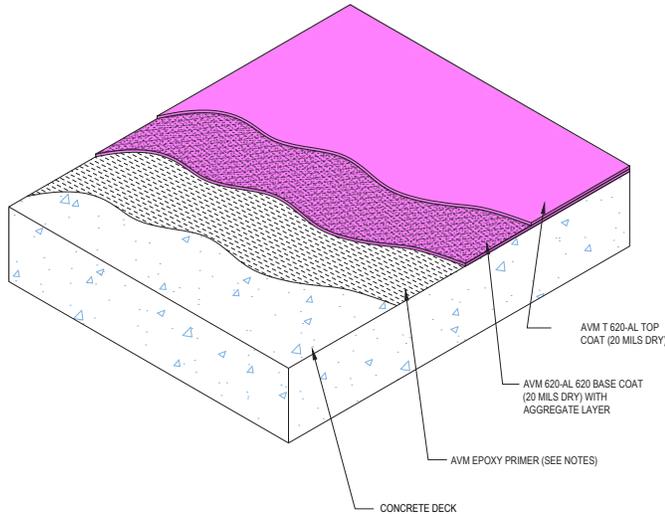


Figure 2c: **Aussie Coat 620V** is fully applied and dry at a minimum of 20 dry mils thick.

Technology

The **Aussie Coat 620V** is a two-component, solvent free and rapid curing, high solids polyurea urethane blend that has MMA polymers. This blend results in a fast-setting heavy duty waterproofing membrane that can be applied to a multitude of surfaces, including interior or exterior concrete, along with asphalt overlays, plywood, and metal. The applications typically include vehicular asphalt and concrete parking decks, along with pedestrian walkways, patios, stairways, metal roofs, and even sunrooms.

Typical Vehicular Assembly Over Concrete



Maximum Slip Resistance for Heavy Traffic Areas

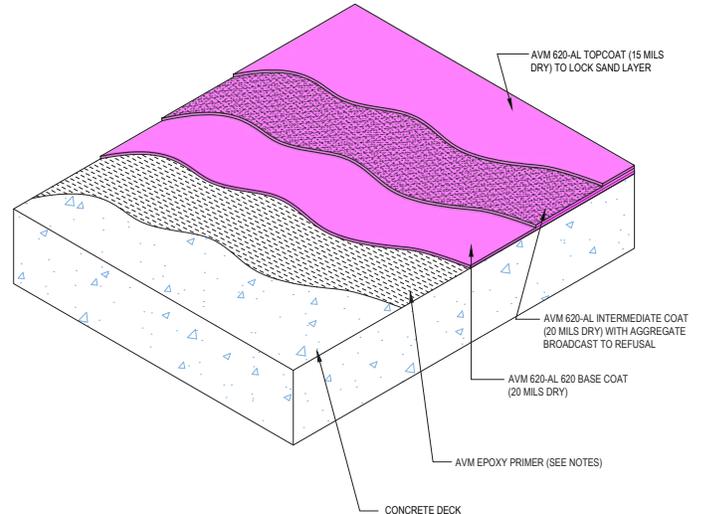


Figure 3a: Typical vehicular assembly over concrete (left) and 3 coat assembly for maximum slip resistance in heavy traffic areas (right).

The **Aussie Coat 620V** fit the project's needs due to the rapid cure times. The entire parking deck installation was completed in only 5 days. Additionally, the low odors of the **Aussie Coat 620V** proved to be another big selling point, as soon to be tenants were not disturbed with harmful odors and chemicals. The **Aussie Coat 620V** has surpassed ASTM standards for Volatile Organic Compounds, with less than .49 lbs/gallon, a safe solution for the tenants of Wilshire.

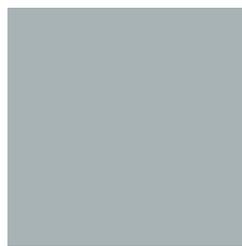
The aliphatic top coat comes in a variety of top coat finishes to fit project specific needs.

Aliphatic Top Coat Colors

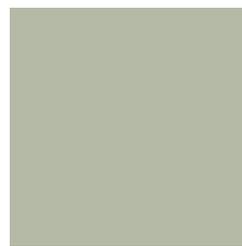
Standard Color (Stocked Item) : Medium Gray
 All other colors are special order



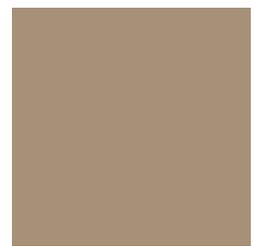
Dark Gray



Medium Grey



Light Gray



Chocolate



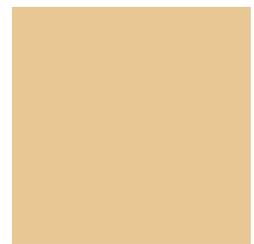
Ash Brown



Brick Red



Dark Tan



Tan