



# How to recoat a swimming pool with polyurea

## SUCCESS STORY

*Saudi Jomana and AEMCO recently joined forces to recoat a leaking swimming pool, using polyurea and Graco's Reactor 2 E-XP2.*

The owner of a private swimming pool in Al Khobar, Dammam, Saudi Arabia was facing the ultimate disappointment. Some of the tiles had cracked and the water was leaking away. He asked Saudi Jomana to completely renovate the pool. Based in Al Khobar but working throughout the Middle East, Saudi Jomana specializes in the application of seamless polyurea hot spray waterproofing and coating systems. Their experience at solving complex challenges with swimming pools, complemented by their polyurea application knowledge, led the customer to select Saudi Jomana for this job. They in turn joined forces with Graco's authorized distributor AEMCO. Established in 2007, AEMCO's focus is on increasing professionalism and productivity in the arena of coating and surface preparation throughout Saudi Arabia.

## CHOOSING THE BEST EQUIPMENT AND MATERIAL

Representatives from the two companies decided that the best equipment to use was the Graco Reactor 2 E-XP2. "This particular

<b>Customer:</b>	SAUDI JOMANA
<b>Country:</b>	SAUDI ARABIA
<b>Distributor:</b>	AEMCO
<b>Equipment:</b>	REACTOR 2 E-XP2
<b>Industry:</b>	CONSTRUCTION
<b>Application:</b>	PROTECTIVE COATING

machine was chosen because it is considered to be the most reliable and efficient polyurea spraying equipment in the market," said Mr Biju from Saudi Jomana. "It's a claim that we've validated. We've worked with the E-XP2 since 2018 and we've always been satisfied with its performance. We've never had any problems with it."

The E-XP2 is designed to process and spray polyurea and other coatings that require high pressures. Its hybrid heater and heated hose condition the materials to the right viscosity prior to mixing. Other features include a quick knockdown lower pump for easy maintenance, easy-to-use controls, and rugged design.

Polyurea from Tecnopol in Spain was chosen as the ideal waterproofing material. Saudi Jomana is the official Saudi distributor for Tecnopol polyurea.

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## A 5-DAY JOB

The job took five days to complete. The first three days involved site preparation. This involved removing all the tiles, identifying and plugging the leaks, and adding a layer of concrete. The primer was sprayed on day four, and on the final, fifth day, the polyurea and topcoat were sprayed. A team of six men were on site for the duration of the project.

One of the key features of this Graco Reactor is that it measures material consumption. "We found that the E-XP2 used significantly less polyurea than expected," added Mr. Biju. "We could see from the data that only 2 kg of polyurea were needed to spray a layer 2 mm thick over every square meter of pool area."



"The Graco Reactor 2 E-XP2 proved again that it's the perfect machine for these kinds of jobs"

## IMPRESSIONS OF THE REACTOR 2 E-XP2

The operators found the E-XP2 comfortable to lift, hold and use. It was easy to operate, smooth to control, and was vibration-free. The operators were also impressed at how quiet it was during operation. The machine was operated from a truck parked outside the compound and hardly made any noise in the neighborhood.

The E-XP2 sprayed both the primer and the topcoat smoothly. No blockages or bounce-back of material was experienced. Time savings were achieved because no premixing or heating were required. The Reactor's computer control and preset parameters helped to ensure a single seamless coating.

## SATISFIED CUSTOMER RETURNS TO THE POOL

As for the end result, the client was delighted. The quality of the work was outstanding, and no repeat or rework was necessary. As soon as the deep blue topcoat was dry, the pool was filled, and a happy client could once more enjoy his swimming pool.



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