

Project:

Atlas Honda Ltd. production facilities

Location:

Karachi, Pakistan
Lahore, Pakistan

Project completed:

2016

Owner/s:

Atlas Group

Applicator/Contractor:

Alchemy Enterprise

Products used & amounts:

Ucrete MF – 17,000 m²
Ucrete UD200 – 3,000 m²
Ucrete DPTC – 10,000 m²

Sales contact:

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Atlas Honda Ltd.

High performance flooring solutions for exceptional durability



Ucrete flooring installed in the Engine Assembly Shop, Atlas Honda Karachi Plant

The Background

Atlas Honda Ltd., part of the larger Atlas Group, is one of the major manufacturers of two/four-wheeler vehicles in Pakistan.

Located in Karachi and Lahore, Atlas Honda Ltd's production facility flooring is constantly subjected to heavy traffic from fork lifts carrying metal parts, metal sheets and die-pressing machines. Thus, it requires a flooring solution with good performance and great durability.

The Challenge

Atlas Honda Ltd. was working on a 1-Million Project to increase their production capacity from 0.8 million to 1 million motorcycles per year. The challenge was to have a long-lasting and durable flooring solution that would support this goal.

Atlas Honda Ltd had always preferred epoxy flooring that held a wide range of colors and a glossy surface finish. This range of colors was needed for workplace management. Adding on to this, they required a solution that had fast application and a short curing time to minimize any loss in planned yearly production.

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Ucrete flooring installed in motorcycle assembly line, Atlas Honda Karachi Plant



Ucrete flooring installed in hi-tech machine shop, Atlas Honda Lahore Plant

Our Solution

- BASF presented Ucrete MF, Ucrete UD200 and Ucrete DPTC as holistic solutions to meet the flooring requirements of Atlas Honda Ltd.
- The installation of a trial area was carried out to demonstrate and affirm the performance of Ucrete to Atlas Honda Ltd. A sample patch of Ucrete UD200 was applied in the die-pressing workshop to be subjected to heavy traffic from forklifts carrying metal parts, metal sheets and die-pressing machines.

The Customer's Benefit

- Ucrete is wear and impact resistant. Because of its durability and long service life, it would ultimately minimize the need for future refurbishment, thereby saving cost and time
- Ucrete is: slip-resistant; non-tainting; non-dusting; with monolithic minimum joints; is easy to maintain and microbiologically inert. This makes it safe for production workers and hygienic
- Ucrete has a fast application and can be applied to 6-day old concrete or 2-day old polymer screeds
- The short curing time minimizes production downtime, specifically 8-hour till access to foot traffic and 24 hours for vehicles
- Standard flooring specifications for Atlas Group which helps to simplify material selection process
- Multiple colors for selection

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Projects facts at a glance

- Installation of Ucrete flooring totals to 7,000m² and 13,000m² in the Karachi Plant and Lahore Plant respectively
- The application of Ucrete was planned and executed well, which resulted in no losses in production unit. Ucrete's short curing time minimized shutdown time for the plants
- The range of colors demarcated the different spaces in the plant and workplace management was improved as a result. The main floor area (production area) is grey, with yellow stripes to bifurcate green walkways from the working area.

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The comprehensive portfolio under the Master Builders Solutions brand encompasses concrete admixtures, cement additives, chemical solutions for underground construction, waterproofing solutions, sealants, concrete repair & protection solutions, performance grouts, performance flooring solutions.

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