

SEEF Works Statement Pinovo Vacuum Blasting Technology



SEEF Works B.V.

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Introduction

SEEF Works, commissioned by Perspect Industrial Products B.V., tested the Pinovo vacuum blasting technology on specially prepared test plates with a high concentration of Cr(VI). The results of these tests provide a reliable picture of the performance of this technique in situations where exposure to hazardous substances poses a risk.

Results

During the tests in our specially equipped measurement setup, it was established that the Pinovo technology, even at very high Cr(VI) concentrations in epoxy coatings up to 25,000 mg/kg, generated only a minimal amount of Cr(VI) in the breathing zone, in a completely enclosed test room without ventilation to create a worst-case scenario. The measured values remained well below the legal limits when using PPE, making the technology a clear added value for industrial applications where exposure to Cr(VI) is a real risk.

All wipe samples were also below the detection limit, confirming that no Cr(VI)-containing dust was found in the vicinity of the test setup. Although no technique can guarantee complete safety, the results show that the Pinovo method, combined with the right personal protective equipment and organizational measures, can demonstrably be applied safely and responsibly.

SEEF Works Assessment

Based on our validation, SEEF Works declares that the Pinovo vacuum blasting technology meets the highest standards for safety, health, and environment. We have assessed the technology as a reliable solution for removing or treating surfaces with Cr(VI)-containing coatings.

This gives clients and users the assurance that work can be carried out safely and responsibly. We also advise users to verify the application of the technology at least once a year in practice by performing an exposure measurement by SEEF, in accordance with the legal obligation to periodically evaluate exposure to CMR substances.

Unique Features of Pinovo Technology

- ATEX Zone 1 certified, safe for use in explosive environments
- Closed system and dust-free, prevents contamination spread and protects personnel and surroundings
- No shielding measures required, work can continue during production without downtime or conversion
- High surface quality (up to SA 3 / 120 µm), suitable for coating preparation and inspection requirements
- Reusable blasting media, less waste, lower costs, and more sustainable
- Compact and mobile, ideal for spot repairs, flanges, pipes, and hard-to-reach areas

Conclusion

The tests confirm that the Pinovo vacuum blasting technology offers an innovative and safe solution for working with Cr(VI)-containing paint layers. With SEEF Works' approval, Perspect Benelux has the confidence to offer and deploy this technology to its customers.

Only employees certified by Perspect may use the Pinovo technology for removing Cr(VI)-containing coatings. This ensures they have received the proper training and can operate the machine professionally. They will then have the necessary knowledge to minimize the emission of hazardous substances.

SEEF Works B.V.

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SEEF Works Approved – Work Safe with Cr(VI)

A handwritten signature in black ink, appearing to be "Ferdie de Smet".

Ferdie de Smet



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