Bolero – Flexible decontamination system for walls and ceilings with subsequent contamination measurement.

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The brochure below will act as an abstract further on, a "real" abstract will be available in January.

*Intended for poster session*
High accuracy and capacity

BOLERO is a tool system for stripping walls and ceilings in a wide variety of applications:

- Concrete
- Masonry (calcareous sandstone, bricks, gas concrete, etc)
- Plaster work
- Wall coatings
- Decontamination coatings

This ensures maximum cleanliness in the working area and the best possible protection against the spread of contamination or recontamination.

- Definable and highly accurate stripping depth (from 1 mm – 10 mm per working step, depending on the material)
- High or very high surface removal rates
- Very short tool installation and repositioning times
- Leaves surfaces smooth and dust-free, which ensures the accuracy of radiological measurements, especially alpha contamination
- Specifying a precise stripping depths significantly reduce the amount of radioactive waste
SHAVER TOOL on Fork Lift System

- Maximum working height can be changed through the choice of fork lift
- Can be fixed to any lift with a DIN 15173 fork
- No damage to the tool when stripping concrete down to the steel reinforcement
- The fork lift system is also suitable for carrying the HAMMER TOOL

Surface removal rate per working step
- Concrete: at a depth of 3 mm approx. 15m²/h
- Calcaceous sandstone: at a depth of 3 mm approx. 30m²/h
- Epoxy: at a depth of 3 mm approx. 20m²/h

Surface area treated:
- 2 m² (2 x 185 mm x 5.4 m)* per working step
- 11.5 m² (2.2 m x 5.4 m)* per location

*depending on the fork lift
SHAVER TOOL on Gantry System

- Can be dismantled into sections and transported by hand
- Can be used in rooms inaccessible to vehicles
- Modular construction enables it to be adjusted to specific room geometry
- Passes over metal parts in the wall without detriment to the machine or the process
- The gantry system is also suitable for the HAMMER TOOL

Surface removal rate per working step:
- Concrete: at a depth of 3 mm approx. 15 m²/h
- Calcareous sandstone: at a depth of 3 mm approx. 30 m²/h
- Epoxy: at a depth of 3 mm approx. 20 m²/h

Surface area treated:
- 2,4 m² (2 x 1.85 m x 6,5 m)* per working step
- 17,3 m² (2,66 m x 6,5 m)* per location

*can be extended as required
References

- Aventis Pharma
  Decontamination of concrete surfaces in solvent laboratory

- Kahl Nuclear Power Plant
  Decontamination of concrete blocks from the reactor area

- Karlsruhe Reprocessing Plant - WAK
  Stripping of decontamination coating
  Decontamination of concrete surfaces

- CEA, Cadarache, France
  Decontamination of 10000m² surfaces in fuel facility

New technology protects people

Using technology for the benefit of mankind – STUDSVIK is committed to developing new technologies, but not only for economic reasons. Using the SHAVER tool has several advantages over conventional, labour intensive processes:

- considerable reduction in manpower requirement
- lower single and collective doses
- considerable improvement in on-site working conditions from a conventional point of view (less noise, reduced respirator requirements – if needed at all)

In other words STUDSVIK uses the latest technology to protect the health and wellbeing of the operators.

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