



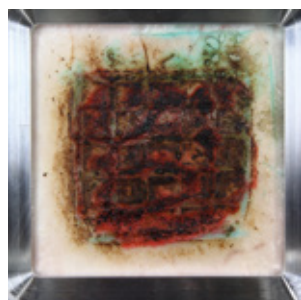
## FREUDENBERG HEALTHCARE VALUE STORIES

# INNOVATIVE FOAM DEBRIDEMENT

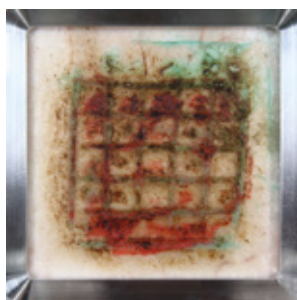
Mechanical debridement is recommended for every dressing change and is one of the key elements in treating chronic wounds. Today, there exists a variety of expensive solutions, but most often simple gauze is used. While gauze can offer effective cleaning, it is often associated with pain and discomfort for the patient.

Freudenberg has identified this unmet need and started to develop a more appropriate and cost-efficient solution in order to provide more patients access to effective and atraumatic debridement.

Since there is no established test method available, we have started to develop our own in collaboration with experienced nurses. The ex vivo test method is based on a wound model derived from pig skin and simulated coatings on the wound bed. The nurses evaluated the cleaning performance of several prototype materials and the result was compared by image analysis:



before



after

Based not only on the cleaning performance, but also on additional criteria, the debridement foam was selected by nurses as best solution:

- **High flexibility allowing for application in cavity wounds**
- **No hard edges for optimal patient comfort**
- **No linting, especially no loss of particles or fibers**
- **Less pressure necessary to achieve better cleaning results**
- **Better tactile feedback compared to gold standard**



### CUSTOMER VALUE

- High flexibility
- No hard edges
- No linting
- Less pressure necessary
- Better tactile feedback

### YOUR CONTACT

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PERFORMANCE MATERIALS