

## ***Application Report No. A 20-2e***

# **Removal of Coatings and Paint Layers from The Folds On Tin Roofs**

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Status: 10/2004

S.Smets

In our Report A 20-1e we described the method of removing coatings and paint layers from sheet metal roofs. Not only the flat metal surfaces need to be treated; particular attention needs to be given to the finishing of the roof joints.

The photo on page (1) of our Report A 20-1e shows the method previously used by our Austrian customer for decoating the joints. He used to use a Roto-Lance and the work was very time consuming

He asked us to design and build a special device to simplify the job and to save time. The machine selected had to be able to remove thoroughly the coatings from the fold itself and additionally to cover a strip of 25 mm width to the left and right of the joint. If the decoating of the joints is done properly, the remaining flat roof surfaces can easily be treated with a standard Surface Cleaner so that it is no longer necessary to carry out any of the work manually with guns.

KAMAT constructed a special device called the Fold Cleaner "FRG 2500" and delivered the unit to the customer in Austria in January 2004. The mobile chassis is guided along the fold by means of skids at the front and rear and is equipped with two pieces of our "PRD 2500 air", each of which is fitted with a special nozzle head. The height of the unit is adjustable and the angle of the nozzle heads can also be varied.

The KAMAT "Fold Cleaner  
FRG 2500" in operation at a  
construction site in Vienna,  
Austria



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Fold Cleaner "FRG 2500"  
in operation, driven by a  
KAMJET 10000

Working pressure: 2000-2500 bar  
Capacity: 23 l/min  
Number of nozzles: 8 x 0.35mm

On the right side of the foto  
the decoated joint and the  
side strip can be seen



### **Method used in the past:**

"Roto-Lance" for joint preparation = thorough removal of the coatings including both 25 mm strips to the left and right of the joints  
**max. 20 running metres / hour**

### **Present method:**

"Fold Cleaner FRG 2400" for joint preparation = thorough removal of the coatings including both 25 mm strips to the left and right of the joints  
**approx. 80 running metres / hour**

### **Savings:**

According to our customer the new method reduces costs of personnel, diesel and spare parts by up to 60 %

**In addition, a much higher degree of customer satisfaction is achieved as the results speak for themselves!**