

Application Report No. A 20-1e

Removal of Coatings and Paint Layers from Sheet Metal Roofs

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Status: 02/2004

S.Smets

In the course of time, coatings on galvanized sheet metal roofs become weather-beaten, brittle and porous. Before a new coating can be applied, the old coating must be thoroughly removed. The roof itself, when exposed to the weather, will start to corrode after a number of years.

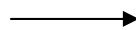
The market leaders for suitable coatings and paints insist on a complete removal of the top coat and of the primer, which is very often firmly bonded to the surface, either manually or by means of spraying systems before a new coating can be applied.

The paint manufacturers will give a guarantee of 20 years for their products provided the existing layers have been thoroughly taken off and the undercoat has been derusted (optimum surface preparation).

A specialist company in Austria has been handling the problem of removing coatings thoroughly from tin roofs for five years now. Before they purchased a KAMAT machine they had been doing the job manually using right-angle grinders. This conventional method is extremely loud and is a nuisance because of the amount of dust generated.

*Thorough decoating using the
KAMAT **Surface Cleaner 2500air**.
Working pressure:*

2000 – 2500 bar.

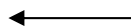


Rate of performance per day

100 - 250 m² - depending on the consistency of the old paint layers.



*Manual finishing of the joints using a
“Roto-Lance”, at a working pressure of
2000 – 2300 bar*



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Untreated area



Steel sheet roof after surface treatment, prior to final treatment of the joints.

KAMJET 10000 →

Due to low noise level, the **KAMJET** was well-accepted by both the local residents and the controlling authorities.



Surface Cleaner 2500air
in operation