

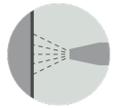
Case Study

Sulzer Mixpac™ MixCoat™ System

Flexible hand held solution for rapid curing sealants!



Construction



Protective Coating

BASF uses the Sulzer MixCoat System to generate a flexible solution for the roofing industry.

Small coating projects, maintenance, touch up and repair

Touch-Up

Current situation: 40L is the standard kit size for a polyurethane coating system. Small kits for touch-up are often not available. Mixing and metering of these coatings are currently performed at the construction site, which brings a high risk of failure. Since most PU coatings cure in 5-30 seconds, PU touch-up applications usually require the use of a plural component spray system. Cartridge spray technology offers an easy and fast alternative for completing this task.

Small Applications

For smaller applications, most sealing and roofing companies use different technologies than Rapid curing PU. Setting up a hot spray device is time consuming and cost intensive. MixCoat cartridge systems enable the applicator to spray rapid cure sealants for small applications with minimal setup time and very little material waste.

Target Applications

- Substrates that are difficult to access with standard plural component equipment
- Small edge sealing applications for roofing projects
- Pole foundation sealing
- Balcony sealing
- Sealing fish tanks
- Quick set coating repairs
- Subsurface sealing with limited access
-



“The MixCoat System opens new potential markets for the rapid curing technology.”

Christoph Duerst BASF
Area Sales Manager BASF Schweiz AG

The Challenge

In the roofing industry rapid curing sealing membranes are delivered in 200 liter drums. This container volume is often too large for most touch-up and small project applications. Setup time for the standard plural-component equipment (hot spray) is both time consuming and cost prohibitive for smaller projects. This can make these smaller projects uneconomical. Due to high equipment costs and high levels of coating waste, rapid cure coatings are often not used by applicators. For most small applications, fast setting materials are often not an option. Hot spray equipment can also be difficult to maneuver in narrow spaces. For the **MasterSeal M 811 KD** **BASF** uses the light weight and portable MixCoat, Cartridge Spray System with the Dual Flex Hose.



The Solution

Shorter Setup Times

For applying rapid cure sealants, only an air compressor and a MixCoat spray system is needed. Preparation time can be reduced from 2-4 hours to 15 minutes.

Smaller Material Volumes

Due to the use of cartridges, very small areas can be coated while minimizing coating waste. Partially used cartridges can be recapped and reused for the next project.

Safe and Clean

The prefilled cartridges protect the applicator from direct contact with unmixed material. The MixCoat system uses low pressure compressed air, 7 bar (100 psi). Compared to airless or hot-spray equipment which can utilize 50-300 bar (725-4350 psi), the risk of injury can be drastically reduced.

Overspray

MixCoat's low pressure air assisted systems can produce far less overspray than the typical airless spray technology. Minimizing overspray reduces the risk of environmental pollutants and unintentional property damages.

Easy to Use

MixCoat equipment is affordable and is extremely easy to use. It is a simple and cost effective method to grow rapid cure coating technology.

Our contact details

Sebastian Paus, Market Management
Protective Coating
Sebastian.paus@sulzer.com

Applicable markets

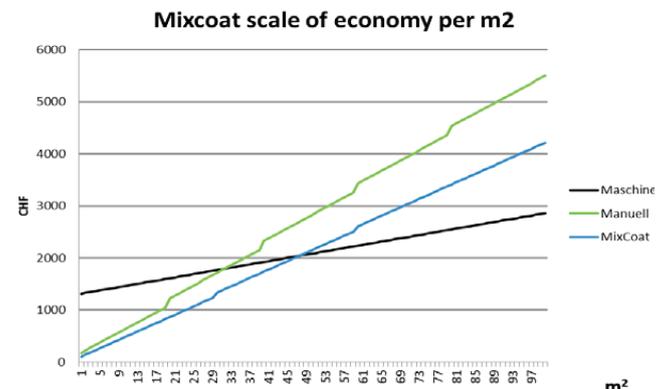
Construction, Energy

Applicable products

DPS, DPF; DFL

Customer Benefit

Utilizing the MixCoat system, we can provide this technology to customers that are not ready to invest in a plural component spray unit. If the applicator is pleased by the coating performance, there is a greater chance that they invest in more elaborate equipment and grow their PU business with **BASF**. Current customers that already apply these rapid cure coatings will benefit by adding MixCoat for their smaller applications.



Application methods are limited for applying rapid cure materials. Sulzer Mixpac's patented solution utilizing the Dual Flex Line, offers a unique hand held device for applying these coatings.



Sulzer Mixpac Ltd
Ruetistrasse 7
9469 Haag, Switzerland
phone +41 81 772 2000
fax +41 81 772 2001
mixpac@sulzer.com
www.sulzer.com

Legal Notice: The information contained in this publication is believed to be accurate and reliable, but is not to be construed as implying any warranty or guarantee of performance. Sulzer Applicator Systems waives any liability and indemnity for effects resulting from its application. Please, contact Sulzer for a description of the warranties and guarantees offered with our products. Directions for use and safety will be given separately. All information herein is subject to change without notice.

Copyright@Sulzer Mixpac Ltd. 01.2018_en