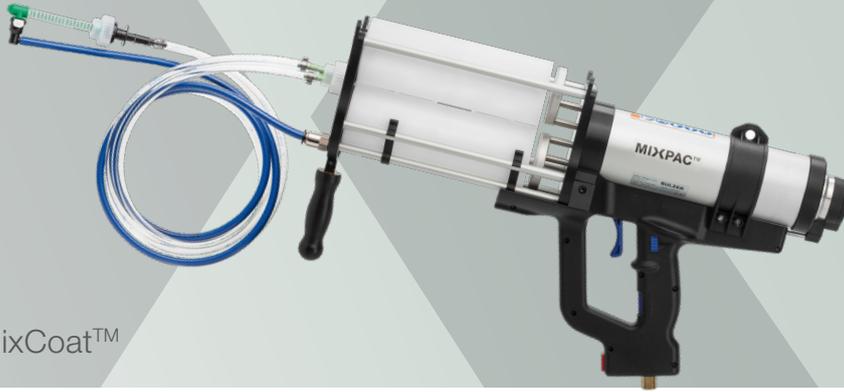


MIXPAC™ MixCoat™



## Case Study

# Like with Like - field joint coatings saves costs up to 20%

MixCoat System used by Stoncor/Carboline applicators on pipeline joints using Polyclad 777



Sulzer Mixpac Dual Flex Line works even for pointed angle tee pieces (Polyclad 777 full seal over weld)

“ A first where the field coating is technically equal to or if not better than the coating applied in the factory ”

Dave Thompson, national sales manager for Stoncor South Africa

## The Sulzer Difference

- Repeatability in quality and finish that cannot be achieved on pipelines with any other light weight hand held device on the market today.
- With the Dual Flex Line, the MixCoat System is the only cartridge system that offers a small whip hose applicator for rapid curing materials.



Polyclad 777 weld joint sprayed with MixCoat System

## The Challenge

### Problematic joint repair

Historically, failures on pipelines in South Africa occur at the field applied joints which are done on site by the pipe laying contractor.

### Pipe size

Pipe diameters are generally large from 800mm to 2500mm.

### Traditional solution

Tape wrap with a low adhesion, low mechanical strength and modulus are used to repair the butt welded area on large bore pipelines in the water industry. The methodology in application is hand applied, archaic, labor intensive and subject to air entrapment. It is nearly impossible to keep a consistent tension around the pipe which causes air entrapment.

## Customer Needs

Client	A system that lasts > 50 years
Engineer	A failsafe monolithic system consistently meeting the same specification as on the pipe
Contractor	Fast application without any rework to slow down the backfill



Construction



Protective Coating

# The Solution

## Portability

The Mixpac MixCoat equipment is light portable and easy to move from joint to joint. The cartridges are light and easy to keep at hand.

## Contamination prevention

Low risk of contamination in the field due to the cartridge being self contained. Easy to dispose of dispensed cartridges and static mixers.

## Environment protection

Safety officers who evaluate site operations are positive as the low pressure and low overspray technology significantly lowers the risk of damaging the immediate surrounding area.

## Ease of use

Lightweight, portable enough to use in very tight areas within the trenches. Only short training needed.

## Fatigue reduction

Applicators are not subjected to manual tensioning of tape wrap systems, nor are they hindered with heavy cumbersome equipment.

## Contact

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## Applicable products

DPS, DPF; DFL

# Customer Benefit

## 15-20 % cost saving per joint

compared to tape wrapped

General	<ul style="list-style-type: none"><li>• Excellent adhesion to substrate</li><li>• Enabler for the application of fast curing systems like Polyclad 777 in the field</li><li>• System also works for pipe fittings</li></ul>
Client	<b>Like with like</b> Quality repeatedly equals OEM coating, clean, free from runs or bubbles, cosmetically pleasing
Engineer	<b>Security</b> Specification never compromised
Contractor	<b>Time saving</b> Any weld damage to the factory coating can be repaired simultaneously while the joint is being sprayed



Mixpac MixCoat can even be used for coating of pipe fittings

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