



MIXPAC™ MixCoat™

# Protective Coatings in Cartridges

Cartridge-Based 2K Coating Application  
for the Pipeline Industry

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Webinar | April 16, 2026



# Agenda

- 1 The Challenge: Manual Mixing in the Field
- 2 The Solution: Application Areas / Cartridge-Based 2K Application
- 3 MixCoat™ Spray & MixCoat™ Flex Systems
- 4 Head-to-Head: Cartridge vs. Manual Mixing
- 5 Benefits: Reliability, Cost, Safety & More
- 6 Case Studies: USA & South Africa
- 7 Summary & Next Steps



# The Challenge



## Contamination of the product

Risk of contamination during mixing (dirt, insects, foreign particles)



## Inconsistent Mix Ratios

Manual dosing leads to off-ratio mixing and coating failures



## Waste of Material

Mixed coatings exceed pot life, forcing disposal of unused product



## Health & Safety Risks

Workers exposed to hazardous unmixed components and solvents



## Slow Setup & Application

Time-consuming preparation, mixing, and clean-up procedures



The Solution

# Cartridge-Based 2K Application

Automated mixing at the point of application.

Cartridge + Static Mixer + Dispenser = consistent results, every time.



# Application Areas

## Weld Joints

Infield spray



## Repairs

Damages and pin holes



## Fittings / Valves

Coating in the workshop



# How It Works

## 1 Prepare

Heat and shake cartridge if needed

## 2 Attach Mixer

Attach mixer on the cartridge

## 3 Load

Insert cartridge into dispenser,  
connect quick-lock air

## 4 Purge

Brief purge to verify uniform mix

## 5 Spray

Apply coating, app. 1-2 min per 1000  
ml cartridge

## 6 Done

Dispose cartridge & mixer, no  
cleaning required



# The Right System for Every Application

## MixCoat™ Spray



- Lightweight handheld spray gun
- One-hand operation (dual trigger)
- Only compressed air needed
- Ideal for quick 2K coating & repair

## MixCoat™ Flex



- Universal device with whip hose
- Spray, brush, or roller application
- Reaches tight & complex areas
- Handles fast-curing materials



# Cartridge vs. Manual Mixing

Mix Ratio

Setup Time

Material W

Film Thick

Worker Sa

Training

Equipment



System

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(use)

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ure

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# Reliability

- ✓ Cartridge guarantees consistent mix ratio with every application
- ✓ Static mixer eliminates manual dosing and mixing errors
- ✓ Spray application achieves uniform dry film thickness (DFT)
- ✓ Reproducible results – infield coating quality matches factory coating



# Cost Savings

50%

Reduction in  
labor hours

15–20%

Cost saving  
per joint

~0

Material waste  
(mix at point of use)

Information based on the Case Study in South Africa

**No setup time:** Only the material needed is mixed. Cartridges can be resealed and reused. All preparation processes associated with manual mixing are eliminated.

**Low investment:** A portable cartridge spray system costs significantly less than airless or plural-component equipment.



# Health & Safety



## No Skin Contact

Closed system – applicator never touches unmixed hazardous components



## No Solvents Required

Cartridge and mixer disposed after use – no cleaning, no thinners



## Low Pressure (100 psi)

No risk of high-pressure skin injection injuries from airless equipment



## Reduced Fatigue

Lightweight equipment, fast application, optional shoulder strap



# Environmental Benefits



Low overspray – low-pressure technology protects the surrounding area



No solvent cleaning – fewer VOC emissions on site



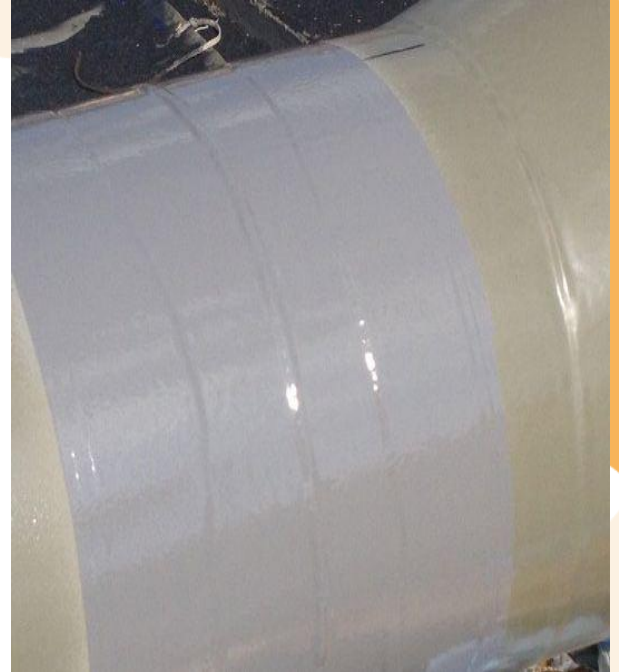
Empty cartridges hold less hazardous waste – economical disposal



Only required material is mixed – no excess waste








Reduced contamination risk in the field








# Speed & Efficiency

## Manual Process

	Open & measure components	8–10 min
	Hand-mix to correct ratio	5–10 min
	Prepare application equipment / Brush Roller	2–5 min
	Apply by brush or roller	15–30 min
	Clean tools with solvents	10–30 min

Total: 40–85 min per application

## MixCoat™ Cartridge

	Insert cartridge, attach mixer	1–2 min
	Quick purge	10 sec
	Spray application	1–2 min
	Dispose cartridge & mixer	30 sec
	No cleaning required	–

Total: 3–5 min per application / cartridge

Case Studies

# Pipeline Projects Arkansas & Texas, USA

Denso Protal® 7200 applied with MixCoat™ series

# Johannesburg South Africa

Stoncor – Polyclad 777 applied with MixCoat™



# USA: Results at a Glance



**20" Gate Valve**

In-service rehabilitation



**36" Ball Valve**

Shop facility coating



**Bends & Tees**

Pipeline construction

## Key Results

- ~15 ft<sup>2</sup> coverage per cartridge at 25–30 mils DFT
- ~1 minute spray time per 1000 ml cartridge
- More uniform DFT than brush application
- Less equipment, less waste, faster mobilization

# South Africa: Like with Like Field Joint Coatings

## Before: Tape Wrap

- Low adhesion & mechanical strength
- Air entrapment unavoidable in this environment
- Labor-intensive
- Field joints are primary failure point

## After: MixCoat™ System

- The same coating for joint and pipe
- 15–20% cost saving per joint
- Quality equals factory coating
- Works for fittings & tee pieces
- Minimal training required

*"A first where the field coating is technically equal to or better than the coating applied in the factory."*

– Dave Thompson, National Sales Manager, Stoncor South Africa





# Summary



## Reliable

Precise mix ratio and consistent quality with every application



## Cost-Effective

Up to 50% less labor, 15–20% cost savings per joint



## Safe

Closed system, low pressure, no skin contact, no solvents



## Portable

Lightweight, compact, only compressed air – works anywhere



## Eco-Friendly

No solvent cleaning, minimal waste, no overspray

# Next Steps



## Test Your Coating

Send us your 2K material – we fill it into our cartridge system and send samples back for testing



## Schedule a Demo

On-site or virtual demonstration of the MixCoat system with your specific application



## Start a Pilot Project

Define scope, select a project, and experience the benefits first-hand

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## Questions & Discussion

