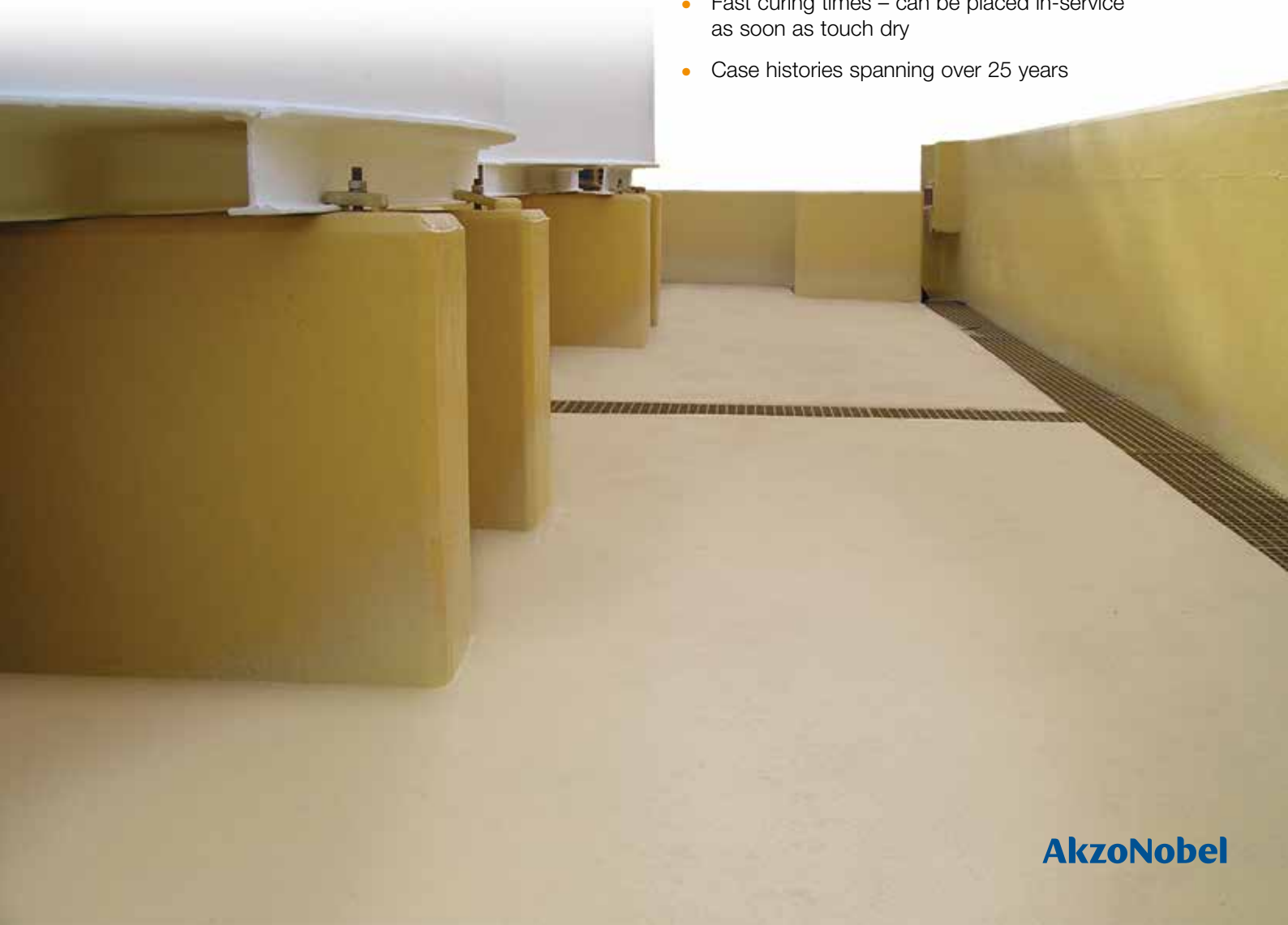


# Polibrid 705E

## An engineering solution

Outstanding impact and abrasion resistance whilst combining an ability to withstand a broad range of chemicals make Polibrid® 705E the ideal engineering solution for many challenging environments where conventional coatings fail.

- 100% solids, solventless, odourless, meets all VOC regulations
- Corrosion protection for steel and concrete suitable for numerous immersion, chemical, abrasion and impact resistant applications
- Protects against microbiologically induced corrosion, making it perfect for waste water applications
- Ideal for encapsulation of rivets, bolts, edges and other surface imperfections
- Bridging cracks in concrete
- Extremely low water permeability giving excellent long term performance
- Fast curing times – can be placed in-service as soon as touch dry
- Case histories spanning over 25 years



# Outstanding performance across a range of applications

Polibrid® 705E is more than just a protective coating it is an engineering solution with the ability to solve problems in a wide range of environments. Fast setting properties ensures rapid return to service improving productivity and reducing costs.

## Concrete structures and secondary containment

This tough and flexible product has crack bridging properties and the ability to withstand typical movement in concrete. Embedding a geotextile fabric prevents the need for grouting heavily pitted or eroded concrete.

Polibrid® 705E is resistant to a range of chemicals over a wide pH range.

## Water and wastewater

Boasting over 25 years of track records, Polibrid® 705E's unique blend of properties makes it the ideal solution for many applications such as sewerage treatment plants, manhole pits and pump stations, secondary containment and water purification plants.

Suitable to protect sewerage treatment plants against microbiologically induced coating and concrete breakdown as Polibrid® resists the harmful effects of hydrogen sulphide and sulphuric acid production.

## Mining and mineral processing

Polibrid® 705E provides excellent protection against the extremely abrasive and chemically harsh environments experienced in the mining industry such as coal slurries, thickener, flotation and CIL tanks as well as secondary containment. The life of the asset can be increased significantly by the use of Polibrid®.



## Technical information

Colour	Buff		
Volume solids	100%		
Typical dry film thickness	700-5000µm (27.6 - 196.9mil) dry		
Temperature	Touch dry	Hard dry	Min. Recoat
15°C (59°F)	2 hours	2 days	2 hours
25°C (77°F)	1 hour	1 day	1 hour
40°C (104°F)	40 minutes	1 day	40 minutes
VOC's	0 g/l (0.0 lb/gal) - calculated		

## Test data

	TEST METHOD	RESULTS
Tensile strength	ASTM D412	2,800psi minimum (19.3MPa)
Flexibility	ASTM D-1737	Passes multiple bends on 3.2mm (1/8") diameter mandrel @ 30mils (762µm)
Abrasion resistance	ASTM D-4060	40mgs maximum weight loss Taber Abraser w/ CS-17 wheels, 1,000 revs: 1kg load
Impact resistance		160lbs (72.5kg) minimum / Direct and reverse
Elongation	ASTM D-412	43%

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