

RESIN

We offer the following resin types:

POLYESTER RESIN

EPOXY RESIN

SILICATE RESIN

VINYLESTER RESIN

ECO HYBRID RESIN

Recommended maximum length of repair:

The table below is set out as guidelines only. Please consult RSM with regards to the specific suitability of resin and liners for each application.

Resin Type	Cure Type	100mm dia.	150mm dia.	225mm dia.	300mm + dia.
Polyester	Ambient Cure	50m	40m	30m	-
Polyester	Hot Cure	-	100m +	100m +	100m +
Epoxy	Warm Cure	30m	60m	50m	35m - 40m
Epoxy Long Pot Life	Hot Cure	-	100m - 170m	100m - 150m	100m approx
PU Silicate	Ambient Cure	20m	15m	10m	-
Vinylester	Hot Cure	-	100m +	100m +	100m +
Eco Hybrid	Hot Cure	-	100m +	100m +	100m +

POLYESTER RESIN & CHEMICALS

Polyester Resin is by far the most common product used within the industry, and is particularly versatile. The product is used in Ambient Cure, Hot Cure and UV Cure liners.

CHARACTERISTICS:

Excellent mechanical properties when properly cured.

Flexible working times.

When ambiently or hot cured with needle felt provides a very cost effective solution to CIPP scenarios.

Small installation footprint relative to the size and diameter of liners for ambient and hot cure methods.

AOC / Scott Bader filled & unfilled

Ambient & Hot Cure, 25kg kegs and 200kg drums.

Hot Cure Chemicals

Triganox 42s, Perkadox 16 and Accelerator G.

Ambient Cure Chemicals

Catalyst 40E liquid, Accelerator NL6310P, Accelerator NL63100P and Accelerator A3X.



RESIN

EPOXY RESIN

As a styrene free, leak tight alternative to Polyester Systems we offer a range of epoxy products.

CHARACTERISTICS:

Creates a leak tight liner

Options available for different pot lifes, cure times and site conditions

Fully styrene free



Hot Cure - EPO 9100-1 & 9110

*WRc Approved & Long Pot Life
Alternative to hot cure polyester and UV systems.*

Ambient Cure - EPO 9052

An alternative to ambient cure polyester systems.

Heat Assisted Cure - EPO 9204

An alternative to ambient cure polyester systems.

Pot Life & Cure Times

Product	Pot Life	Cure Time
9100-1 <i>WRc approved</i>	7hrs @ 25°C	3hrs @ 80°C
9110	13hrs @ 25°C	3hrs @ 80°C
9204	1hr + 45mins @ 25°C	2hrs @ 50°C
9052	40mins @ 15°C	< 3.5hrs @ 15°C
9052	20mins @ 25°C	< 2hrs @ 25°C

VINYLESTER & ECO HYBRID RESIN

RSM offer the service to specify a certain resin should there be site specific regulations.

Please contact the sales office with the enquiry.

SILICATE RESIN

Short length lining resin.

Silicate resins are used in short length liners and point repairs. They provide an ideal alternative to Ambient Cure Polyester Resin for the short length liners, especially in the domestic market.



PU Silicate - Winter

PU Silicate - Summer

PU Silicate - Fast Patch

PU Silicate - Long Life Lining

CHARACTERISTICS:

The product once cured has excellent mechanical properties

There is zero shrinkage

Excellent chemical and heat resistance of finished liner

Completely styrene free