

PRODUCT NAME

ALPHALite UV Resin Long Liner

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PRODUCT INFORMATION

AlphaLite UV Long Liner Resin is a low viscosity, highly reactive UV curing resin based on methacrylate esters. The resin is Styrene free.

AlphaLite UV Long Liner Resin has been developed for the UV cure pipe rehabilitation process. The resin is styrene free.

The chemical composition of AlphaLite UV Long Liner Resin ensures good chemical resistance performance. All the components have a high flash point of >95°C which guarantees no VOCs emission or high level of smell.

Properties of the Liquid Resin

Property	Value	Unit
Viscosity, 25°C	1050	mPas
Density	1.1	g/cm ³
Flash Point	>100	°C
Stability, no init., dark, 25°C	6	Months

Properties of The Cured Resin

Property	Value	Unit
Tensile Strength	50	MPa
Youngs Modulus	3.0	GPa
Elongation at break	2.0	%

Properties of the Cured Composite*

Property	Value	Unit
Tensile Strength	300	MPa
Youngs Modulus	12.0	GPa
Elongation at break	2.0	%

*Contains one layer of Kombimat glass (1050 g/m²)

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Attention! AlphaLite UV Long Liner Resin cures when in contact with UV light. All containers should be stored in the original, unopened and undamaged packaging, in a dry place at temperatures between 5°C and 30°. Properties might slightly change during storage. Store in dark and 100% light tight containers only. Avoid contact of the resin with day light during handling operations as day light may lead to immediate curing reactions.

Scott & Fyfe Ltd delivers the manufactured Resin usually in 30kg drums, or by demand also in 5kg cans. ALPHA resins may be used only by educated trained personnel who participated at the (free of-charge) training course organized by Scott & Fyfe Ltd and who passed an exam successfully.

Before use, the material safety data sheets (MSDS) related to the concrete ALPHA product that is delivered with the components shall be read carefully and kept available at the place of use.

During the work the use of protective measures (gloves, glasses etc.) is compulsory, according to the material safety data sheets!

With regard to the continuous product development, Scott & Fyfe reserves the right for changes.