

# PRODUCT DATA SHEET

# ECOKEMI

SPC RESIN

## Product Description

GAR-M101 is an antifouling resin that is the main raw material of self-polishing paint to remove contaminants harmful to marine organisms such as seaweed and bacterial on marine hull and marine structures.

## General Information

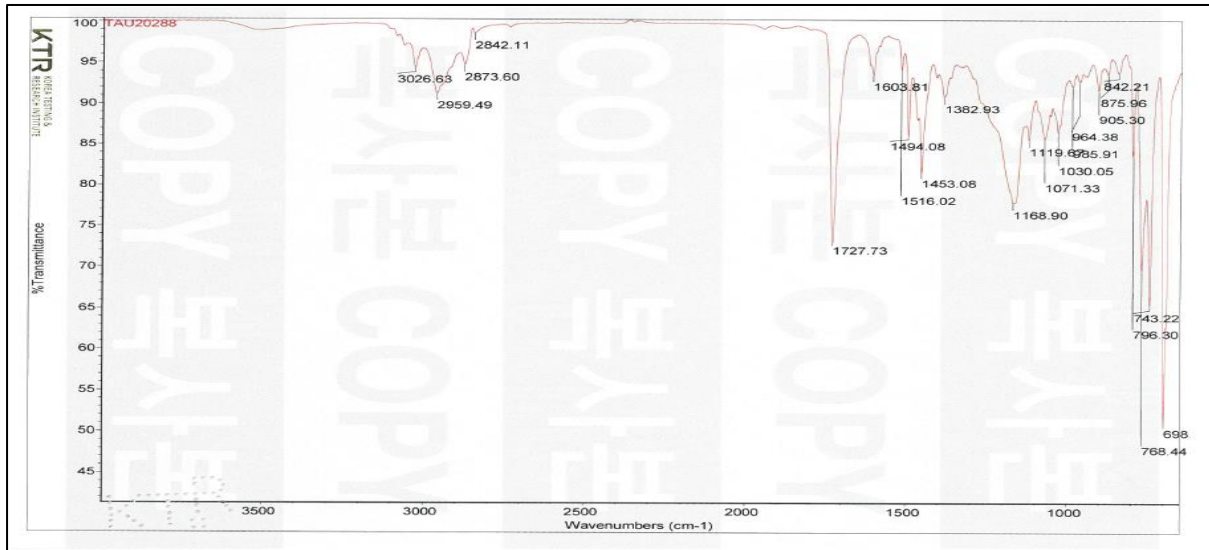
<b>Product Name</b>	<b>GAR-M101</b>
<b>TYPE of Product</b>	<b>Anti-fouling Acrylate Resin(Metal SPC Resin)</b>
<b>Packing unit</b>	<b>180kg(Drum)</b>
<b>Color and Finish</b>	<b>Red Brown</b>
<b>Shelf Life</b>	<b>24 Months</b>

## Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	Standard
Consistency((25±1) °C)	K.U	-	140	KS M 5000 :2014
Nonvolatile Content((105 ± 2) °C, 3h)	%	-	54.9	KS M ISO 3251 :2011
Specific Gravity	-	-	0.98	KS M ISO 2811-1 : 2012
Acid Value	KOHmg/g	-	7	KS M 0065 : 1997
FT-IR		-	See Chart	KS M 0024 : 1997

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## FT-IR Chart



## Chemical and Physical Properties

These properties are typical but do not constitute specifications:

Appearance	Red Brown liquids
Purity (potentiometric Titration)	Mixture
Explosive Properties	No data

## Solubility in Organic Solvents

Xylene	25 ~ 35%
Butyl Acetate	0.77~1.07%

## Chemical Stability And Compatibility

GAR-M101 is the main raw material that maximizes antifouling ability and adhesion of antifouling paints with modified acrylic resin. This product has a stabilized molecular structure system and can be used as an optimal product for storage stability and application of antifouling paint.

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## Shelf Life

If stored in the original sealed container, at ambient temperature,  
Could be kept for 2 years.

## Application for Antifouling Paint

GAR-M101 Technical can be added during one of the early stages of the paint manufacturing process, or mixed with pigments and fillers.

## Recommended Use Levels

Effective use levels of GAR-M101 in antifouling paints are typically between 20% and 35% by weight.

Use safely. Always read the label and product information before use.  
Acrylate Resin may not be registered for certain uses in certain countries.  
For more information on the regulatory status in your country of interest,  
we invite you to contact us.



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