

## Market Report

# Global Acrylic Resin Market

## 2nd Edition

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## Abstract

Global acrylic resin industry achieved remarkable growth in the last years. The outstanding chemical characteristics and unique aesthetic properties of the acrylic resin make it a very valuable material for a wide range of applications. Major application markets for acrylic resin are paints & coatings, adhesive & sealant and construction & architecture, while strongest demand comes from automotive and medical device markets.

The global demand on acrylic resin in 2014 was estimated at roughly US\$16.82 billion. The market will reach US\$19.42 billion by 2017 and approach to US\$25.8 billion by 2023 in the forecast, following the average annual growth rate of 4.9% in the near future and more thereafter.

Acmite Market Intelligence has updated a most comprehensive report on global acrylic resin market. It is ready for order.

The market report examines the current products and application areas, provides extensive market data of 2014, and market forecast through 2017 to 2023. It also outlines the competition landscape, evaluates market chances and risks and anticipates future trends based on a series of influence factors.

- 227 pages analyzing the market
- 60 figure tables
- 263 company profiles of acrylic resin manufacturers

With a multi-dimensional and in-depth view of world acrylic resin market, this report is ideal help for you with decisions about international market penetration, business expansion or project feasibility analysis.

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### Note:

Regions:

North America: US, Canada, Mexico (NAFTA region)

Asia Pacific: Countries of Asia, Australia, New Zealand

Asia Pacific\*: Asia Pacific excluding Japan

## **4.4 Acrylic hybrid**

### **4.4.1 Products, properties and uses**

Acrylic hybrids can be formed during or after the base acrylic polymer preparation. Acrylic hybrid technology has been developed for higher performance as it combines the advantages of one polymer species with acrylic resin while offsetting their shortcomings. Acrylic hybrids create a non-yellowing, higher performance class of polymers in a synergistic manner. Most commonly used acrylic hybrids include urethane acrylic resin, epoxy acrylics, polyester-acrylic resin, and alkyd acrylic hybrid.

Most acrylic hybrids are used as emulsions / dispersions, binders, and only a small part is used as solid resins.

### **Urethane acrylic resin**

Urethane acrylic resin exhibits following properties:

- excellent wetting property
- outstanding adhesion to a wide variety of substrates
- good barrier and film properties
- excellent abrasion resistance, acid rain resistance
- good UV stability and gloss retention
- good impact resistance
- excellent compatibility with other water-based polymers
- superior chemical and solvent resistance properties and mild acid and caustic resistance
- good mechanical and thermal dispersion stability

Urethane acrylic hybrid offers a cost-effective alternative to standard polyurethane dispersions without sacrificing performance. They also offer

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## 5.2 Adhesive & sealant

### 5.2.1 Products and application

Adhesives are designed to hold materials together by surface attachment, often as alternatives to mechanical fastening systems, while sealants are normally used either to prevent a fluid or gas from escaping from an assembly or to prevent the ingress of components of the atmosphere into the assembly.

There is no clear distinction between adhesives and sealants. Most sealants are adhesives but their primary function is to seal a joint with adhesion merely being one important property. Some systems are true adhesive-sealants and fulfill the dual role of bonding and sealing.

The main difference between adhesives and sealants is that sealants typically have lower strength and higher elongation than adhesives. Sealants fall between higher-strength adhesives at one end and extremely low-strength putties and caulks at the other.

Acrylic resins are widely used in formulating adhesives & sealants. Acrylic adhesive & sealant is the most versatile group among all adhesives & sealants due to the vast range of acrylic monomers that are available commercially.

Acrylic adhesives are characterised by the polymerisation of acrylate and methacrylate monomers. In addition to simple monomers, isocyanates and urethane pre-polymers can be end-capped with hydroxyl acrylates and methacrylates to make oligomers called urethane acrylates and methacrylates. Epoxy resins can be reacted with unsaturated acids to give acrylate and methacrylate terminated oligomers.

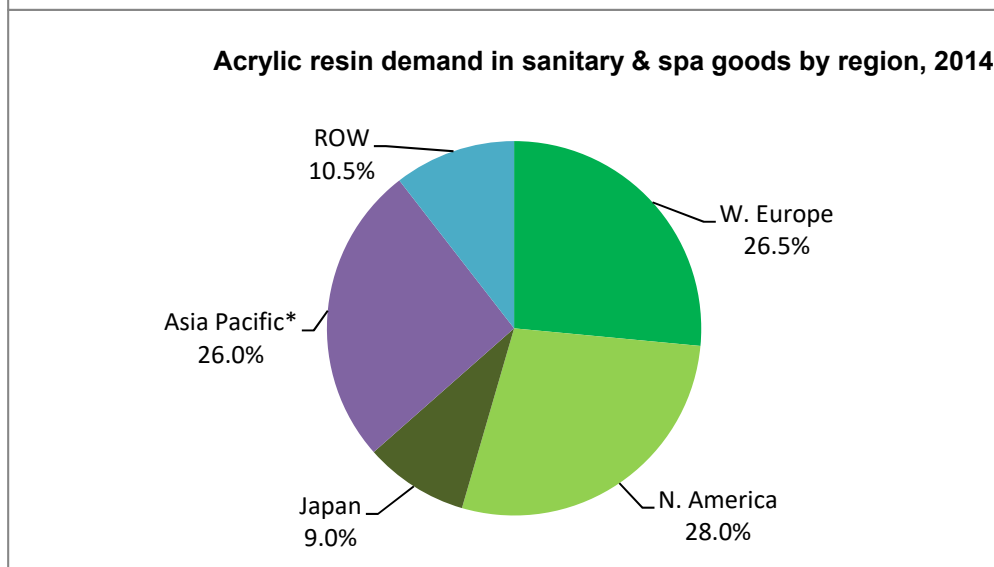
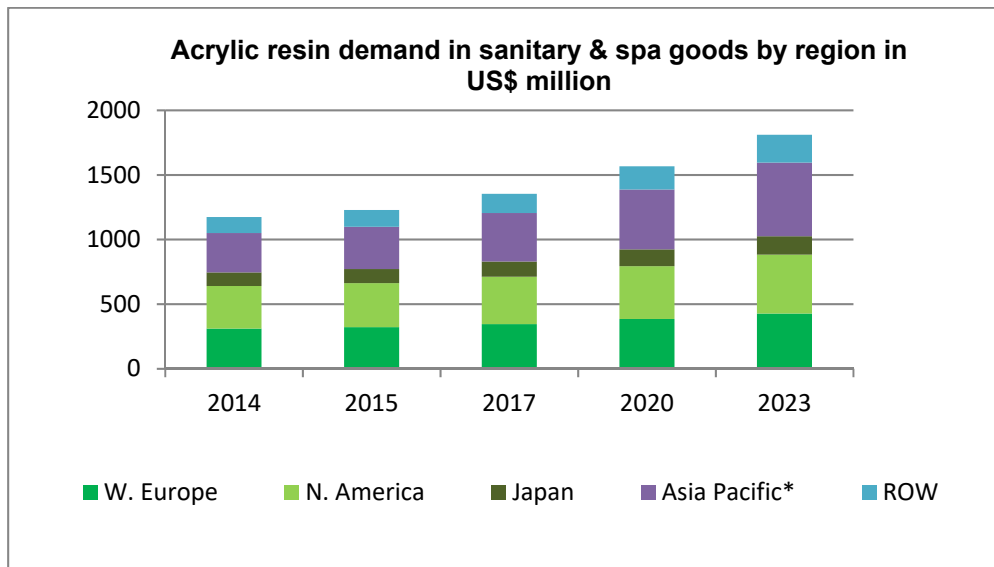
Acrylic adhesives and sealants can be classified as single component or two-  
... .. (Vol. I P. 160)



**5.6.2.3 Acrylic resin market in sanitary & Spa goods by region**

Acrylic resin demand in sanitary & spa goods by region in US\$ million

	2014	2015	2017	2020	2023	CAGR
W. Europe	311	322	346	385	427	3.7%
N. America	329	340	367	409	455	3.8%
Japan	106	109	117	129	143	3.5%
Asia Pacific*	305	327	376	464	570	7.3%
ROW	123	131	148	179	215	6.5%
Total	1174	1229	1354	1566	1810	4.9%



(Vol. I P. 201)

## **Helios Group (Slovenia)**

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<http://www.helios-group.eu>

Year of Foundation: 1924

Number of Employees: over 2,500

Revenue: EUR 314.8 million

### **Company profile**

Helios Group consists of more than 40 different companies. Through the subsidiaries, it engages in the production and sale of coatings, varnishes and lacquers, printing inks, and putties in Slovenia and internationally.

The company's key products are:

- Decorative paints
- Coatings for metal industry
- Coatings for wood industry
- Car refinishing coatings
- Powder coatings
- Coatings for horizontal road marking
- Synthetic resins
- Others

Its acrylic resins include

- hydroxi acrylic resins in the solution for 2K PU car refinishing coatings and

... ..

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