



**Korea Adhesive  
Industry Association**

# ADHESIVES MARKET OVERVIEW IN KOREA

October. 25th, 2021

**Korea Adhesive Industry Association**

# 1. Korea Adhesives Market overview

- **The Outline of Adhesives Market in 2020**
  - ❖ **Output Q'ty : 631,087 MT (3.5% ↑ vs. 2019)**
  - ❖ **Sales Amount : 1,916 Mio. US\$ (3.8% ↑ vs. 2019 )**
  - ❖ **Export : 52,356 MT (5.3% ↓ vs. 2019 )**  
**721 Mio. US\$ (16.6% ↑ vs. 2019 )**
  - ❖ **Import : 33,542 MT (2.5% ↑ vs. 2019 )**  
**327 Mio. US\$ (1.8% ↑ vs. 2019 )**

## 2. Trend of Adhesives Local Market

Unit : A'MT(1000 US\$), Q'TY(Metric Ton)

YEAR		2016	2017	2018	2019	2020
PRODUCTION	A'MT	1,667,253	1,881,125	1,908,113	1,846,042	1,916,192
	Q'TY	569,720	598,255	620,291	609,746	631,087
IMPORT	A'MT	299,188	321,179	307,575	319,164	327,267
	Q'TY	26,070	28,504	31,741	32,897	33,542
EXPORT	A'MT	411,382	457,341	537,838	618,230	720,890
	Q'TY	47,134	47,567	52,022	55,316	52,356
LOCAL DEMAND	A'MT	1,555,059	1,744,963	1,677,850	1,546,976	1,522,569
	Q'TY	548,656	579,192	600,010	587,327	612,273

### 3. Trend of Adhesive Import and Export

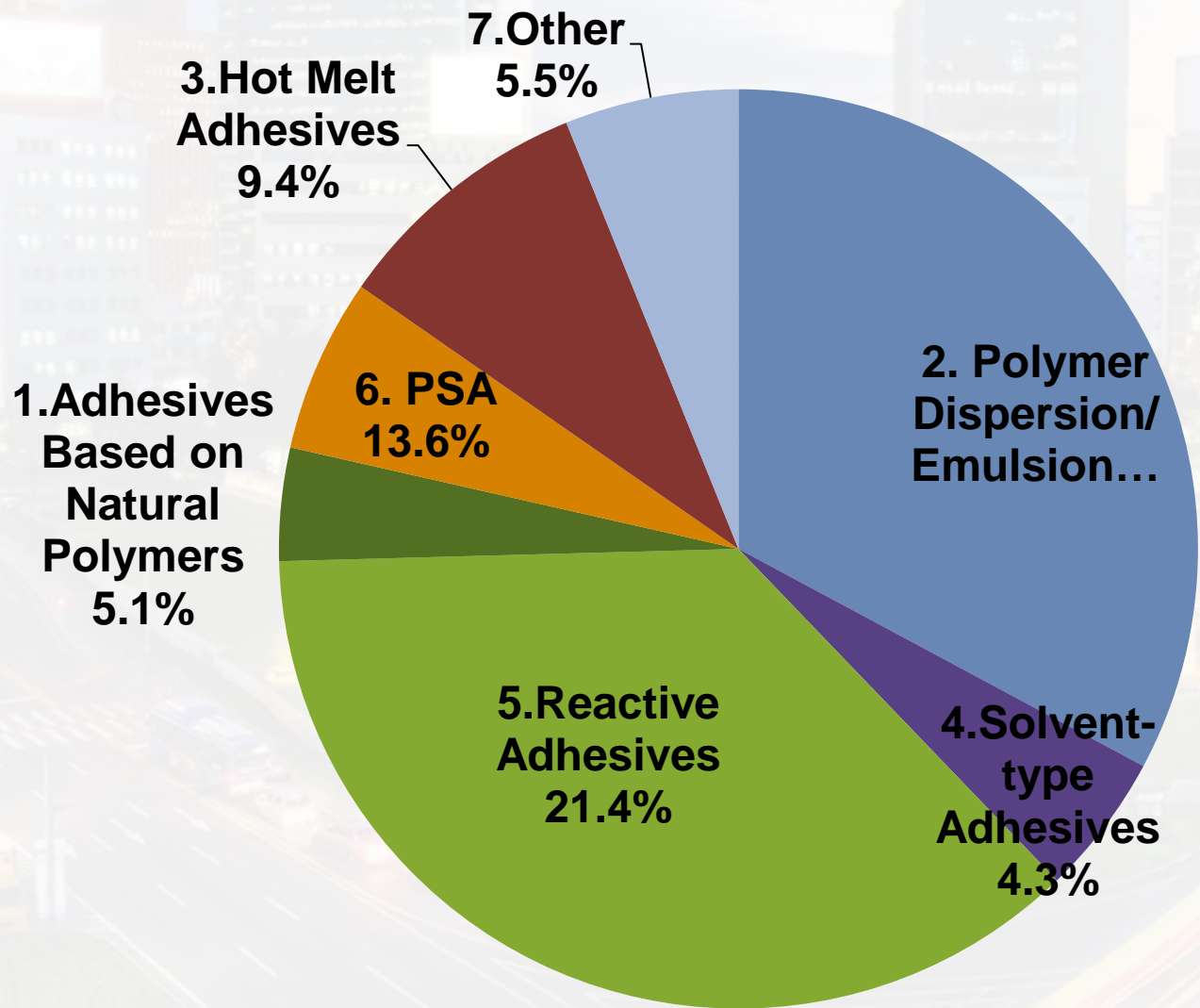
YEAR	EXPORT		IMPORT		Trade Balance
	MT	1000 US\$	MT	1000 US\$	1000 US\$
2020	52,356	720,890	33,542	327,267	393,623
2019	55,316	618,230	32,897	319,164	299,066
2018	52,022	537,838	31,741	307,575	230,263
2017	47,567	457,341	28,504	321,179	136,162
2016	47,134	411,382	26,070	299,188	112,194

# 4. Trend of Adhesives Production

Products	2016 (MT)	2017 (MT)	2018 (MT)	2019 (MT)	2020 (MT)	SHR (%)
1.Adhesives Based on Natural Polymers	33,229	35,330	30,822	31,475	32,354	5.1
2.Polymer Dispersion/ Emulsion Adhesives	234,313	244,636	256,615	250,234	256,821	40.7
3.Hot Melt Adhesives	46,652	50,411	58,388	57,497	59,065	9.4
4.Solvent-type Adhesives	25,749	26,870	26,804	26,282	26,843	4.3
5.Reactive Adhesives	128,337	130,547	133,263	131,117	135,336	21.4
6.Pressure Sensitive Adhesives	63,538	71,162	80,270	78,898	86,138	13.6
7.Other Adhesives	37,902	39,299	34,129	34,243	34,530	5.5
<b>TOTAL</b>	<b>569,720</b>	<b>598,255</b>	<b>620,291</b>	<b>609,746</b>	<b>631,087</b>	<b>100</b>

※Formaldehyde-type(Urea,Melamine,Phenolic-resin)Adhesives excluded from this data

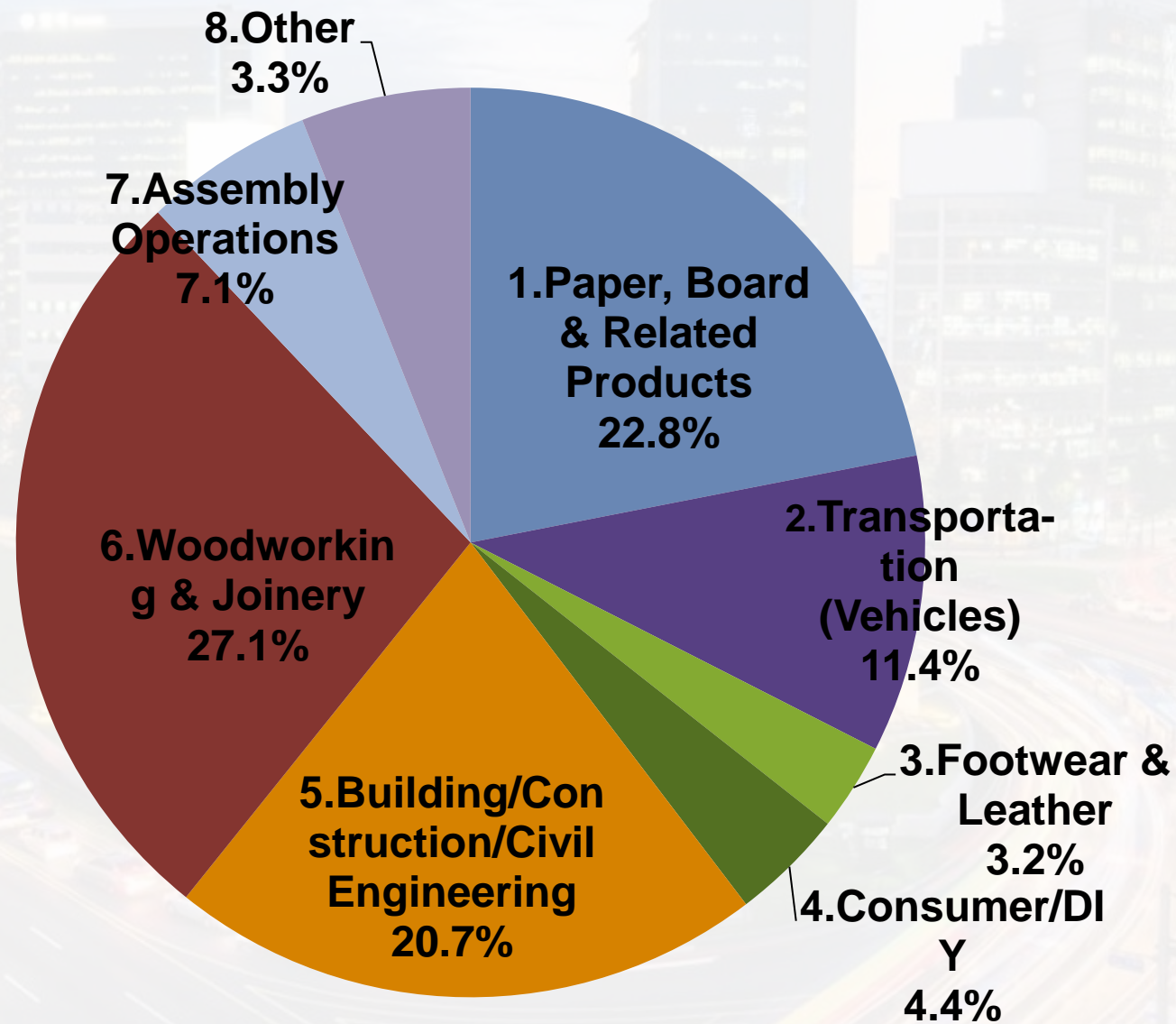
## 5. Share of Adhesives Production in 2020



## 6. Trend of Market Segments in Application

Application	2016 (MT)	2017 (MT)	2018 (MT)	2019 (MT)	2020 (MT)	SHR (%)
1.Paper,Board & Related Products	122,901	129,773	135,168	133,679	139,554	22.8
2.Transportation (Vehicles)	57,399	61,130	65,462	65,682	70,148	11.4
3.Footwear & Leather	17,929	18,915	19,482	18,858	19,423	3.2
4.Consumer/DIY (Household)	24,892	26,012	26,850	26,313	27,155	4.4
5.Building/Construction /Civil Engineering	124,533	127,646	128,327	125,118	126,619	20.7
6.Woodworking and Joinery	153,645	162,555	167,800	161,914	165,819	27.1
7.Assembly Operations (Electronics)	31,731	34,745	38,984	39,763	43,182	7.1
8.Other	15,626	18,416	17,937	16,000	20,373	3.3
Total	548,656	579,192	600,010	587,327	612,273	100

# 7. Share of Market Segments in 2020





## 8. Trend of Production Volume in Adhesive Items (I)

	ITEMS	2016(MT)	2017(MT)	2018(MT)	2019(MT)	2020(MT)	G.R.(%)
<b>1. Based on Natural Polymers</b>	Natural Polymers	19,400	20,483	17,866	17,650	18,450	
	Gelatin	13,829	14,847	12,956	13,825	13,904	
	<b>Subtotal</b>	<b>33,229</b>	<b>35,330</b>	<b>30,822</b>	<b>31,475</b>	<b>32,354</b>	<b>2.8</b>
<b>2. Polymer Dispersion/Emulsion Adhesives</b>	PVAc Emulsion	37,950	39,620	41,950	40,693	42,541	
	PVAc Copolymer Emulsion	12,122	12,607	12,765	12,283	13,255	
	EVA Emulsion	22,971	23,890	24,510	23,530	24,418	
	Acryl Emulsion	140,078	146,382	153,900	150,817	153,230	
	Other Resin Emulsion	8,600	9,052	10,560	10,476	10,570	
	Isocyanate Emulsion	1,952	2,020	3,120	2,978	3,688	
	Synthetic Rubber latex	3,834	3,987	2,984	2,465	2,211	
	Other water-based	6,806	7,078	6,826	6,992	6,908	
	<b>Subtotal</b>	<b>234,313</b>	<b>244,636</b>	<b>256,615</b>	<b>250,234</b>	<b>256,821</b>	<b>2.6</b>
<b>3. Hot Melt Adhesives</b>	EVA Hot Melt	30,808	32,321	38,850	38,430	39,150	
	Synthetic Rubber-type	11,179	12,073	12,678	12,091	12,770	
	Other	4,665	6,017	6,860	6,976	7,145	
	<b>Subtotal</b>	<b>46,652</b>	<b>50,411</b>	<b>58,388</b>	<b>57,497</b>	<b>59,065</b>	<b>2.7</b>

※Formaldehyde-type(Urea,Melamine,Phenolic-resin)Adhesives excluded from this data.

## 9. Trend of Production Volume in Adhesive Items (II)

ITEMS		2016(MT)	2017(MT)	2018(MT)	2019(MT)	2020(MT)	G.R.(%)
4.Solvent-type Adhesives	PVAc Solvent-type	8,199	8,711	8,745	8,504	8,368	
	Other Solvent-type	10,548	11,074	10,911	10,775	11,378	
	CR Solvent-type	4,442	4,645	4,865	4,676	4,732	
	Other Synthetic Rubber	1,150	1,160	1,245	1,356	1,387	
	Natural Rubber	1,410	1,280	1,038	971	978	
<b>Subtotal</b>		<b>25,749</b>	<b>26,870</b>	<b>26,804</b>	<b>26,282</b>	<b>26,843</b>	<b>2.1</b>
5. Reactive Adhesives	Epoxy resin types	63,683	64,462	65,191	64,250	66,462	
	Cyanoacrylate types	340	357	385	346	370	
	Polyurethane types	60,417	61,581	63,801	62,150	64,035	
	Acrylic Modified	2,531	2,657	2,262	2,850	2,921	
	Other reactives	1,366	1,490	1,624	1,521	1,548	
<b>Subtotal</b>		<b>128,337</b>	<b>130,547</b>	<b>133,263</b>	<b>131,117</b>	<b>135,336</b>	<b>3.2</b>
6.Pressure Sensitive Adhesives	Acrylic PSA	56,222	62,968	72,504	71,189	77,952	
	Rubber PSA	5,850	6,318	5,850	5,923	6,325	
	Others PSA	1,466	1,876	1,916	1,786	1,861	
<b>Subtotal</b>		<b>63,538</b>	<b>71,162</b>	<b>80,270</b>	<b>78,898</b>	<b>86,138</b>	<b>9.1</b>
<b>7. Other Adhesives</b>		<b>37,902</b>	<b>39,299</b>	<b>34,129</b>	<b>34,243</b>	<b>34,530</b>	
<b>Total</b>		<b>569,720</b>	<b>598,255</b>	<b>620,291</b>	<b>609,746</b>	<b>631,087</b>	<b>3.5</b>

# 10. R&D TREND OF ADHESIVES & PSA

## ○ Electric/Electronic Field :

- ▶ High performance PSA for ultra-thin film using for slim mobile.
- ▶ Adhesives for flexible or rollable display panel.
- ▶ PSA for Transparent Electromagnetic Shield(TES) film.
- ▶ Non-corrosive optical bonding PSA for touch screen panel.
- ▶ Optically Clear Adhesive(OCA), Optically Clear Resin(OCR)

## ○ Automobile Field :

- ▶ Structural Adhesives
- ▶ Temperature-resistance Adhesive

## ○ Construction & Building Field

- ▶ Durable Structural Adhesives
- ▶ Reinforced Concrete Adhesive

## ○ Medical Field :

- ▶ Bio-based Adhesives for tissue, Bonding nerve, Bone bonding, Dental.

**Thank you for  
Attention**

**Korea Adhesive Industry Association (KAIA)**