



# CERTIFICATE



This is to certify that

## Henkel Adhesives Technologies (Guangdong) Co., Ltd.

Nanzha Fifth Industrial Estate, Humen  
523932, Dongguan, Guangdong,  
China.

Unified Social Credit Code: 91441900618334715M

has implemented and maintains an **Energy Management System**.

Scope:

Design and Manufacture of Industrial Adhesive and Acrylic Acid Emulsion & Vinyl Acetate Emulsion.

*Please see the certificate appendix with the same certificate registration number for the comprehensive energy consumption per unit output and energy consumption accounting boundary of the certified organization, which is an integral part of this certificate.*

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

## ISO 50001 : 2018

Certificate registration no.	438436 EMSt18
Valid from	2021-03-14
Valid until	2024-03-13
Date of certification	2021-03-14



Deutsche  
Akkreditierungsstelle  
D-ZM-16074-01-00

**DQS GmbH**

Markus Bleher  
Managing Director

Accredited Body: DQS GmbH, August-Schanz-Straße 21, 60433 Frankfurt am Main, Germany  
Administrative Office: DQS Malaysia, Suite 43-4 Setia Avenue, Jalan Setia Prima S U 13/S,  
Setia Alam Seksyen U 13, 40170 Shah Alam, Selangor - Malaysia



**Annex to certificate  
Registration No. 438436 EMSt18**

**Henkel Adhesives Technologies (Guangdong) Co., Ltd.**



Audit Type/Time	Energy Consumption Per Unit Product and Energy Consumption per Unit Output Value in Audit Cycle	Energy Consumption Accounting Boundary
First certification From Dec. 30, 2020 to Dec. 31, 2020	<p>Jan. - Jun. 2020,</p> <p>Comprehensive energy consumption per unit hot adhesive: 27.28kgce products</p> <p>Comprehensive energy consumption per unit output value: 22.37kgce/10,000 yuan</p> <p>Comprehensive energy consumption per unit water-based adhesive: 9.95kgce/ton products</p> <p>Comprehensive energy consumption per unit output value: 6.51kgce/10,000 yuan</p> <p>Comprehensive energy consumption per unit emulsion: 12.66kgce/ton products</p> <p>Comprehensive energy consumption per unit output value: 10.45kgce/10,000 yuan</p>	<p>The production system, auxiliary production system and subsidiary production system involved in the processing of industrial adhesive and emulsion (acrylic acid series and vinyl acetate series) within the factory boundary of Nanzha Fifth Industrial Estate, Humen, 523932, Dongguan, Guangdong China.</p> <p>The production processes include feeding/ mixing/ extrusion/ filling.</p> <p>The sources of energy mainly include electric power and natural gas.</p>
	<p>Jul. - Nov. 2020</p> <p>Comprehensive energy consumption per unit hot adhesive: 32.08kgce/ton products</p> <p>Comprehensive energy consumption per unit output value: 25.56kgce/10,000 yuan</p> <p>Comprehensive energy consumption per unit water-based adhesive: 9.34kgce/ton products</p> <p>Comprehensive energy consumption per unit output value: 7.74kgce/10,000 yuan</p> <p>Comprehensive energy consumption per unit emulsion: 16.35kg standard coal/ton products</p> <p>Comprehensive energy consumption per unit output value: 12.17kgce/10,000 yuan</p>	<p>The production system, auxiliary production system and subsidiary production system involved in the processing of industrial adhesive and emulsion (acrylic acid series and vinyl acetate series) within the factory boundary of Nanzha Fifth Industrial Estate, Humen, 523932, Dongguan, Guangdong China.</p> <p>The production processes include feeding/ mixing/ extrusion/ filling.</p> <p>The sources of energy mainly include electric power and natural gas.</p>