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KOSGEB
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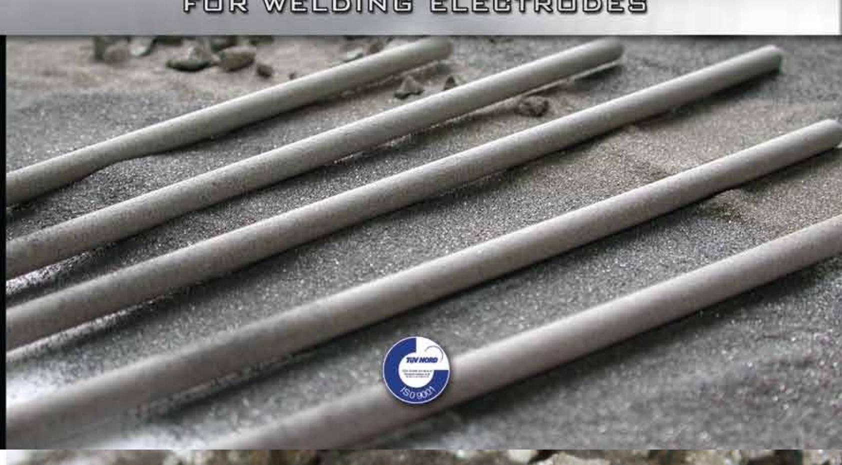
FERRO ALLOYS POWDERS
FOR WELDING ELECTRODES



"We produce STABILIZED FERRO ALLOYS POWDERS for WELDING ELECTRODES"

WE PRODUCE STABILIZED FERRO ALLOYS POWDERS FOR WELDING ELECTRODES

Being the sole producer of Welding Electrode raw materials in Turkey, the Balkans and the Middle East, Gensa is the supplier for the needs of several major Welding Electrode companies in Turkey such as AS KAYNAK, (Eczacıbaşı Lincoln) Oerlikon, Gedik Holding and NURKAY. Our products are pure our owned know-how. We also export our materials to the leading welding electrode producer companies in 30 countries all arround the world. Having ranked among the top positions in exports for the last five years, Gensa has been awarded second biggest exporter in 2010 and third biggest exporter in 2011 and 2012 by "Istanbul Minerals & Metals Experters Associations (IMMIB)".

We participated in the largest international events in the field for the last 25 years, such as Germany – Essen Welding fair, Singapore, Moscow, Indonesia and Israel international welding fairs.

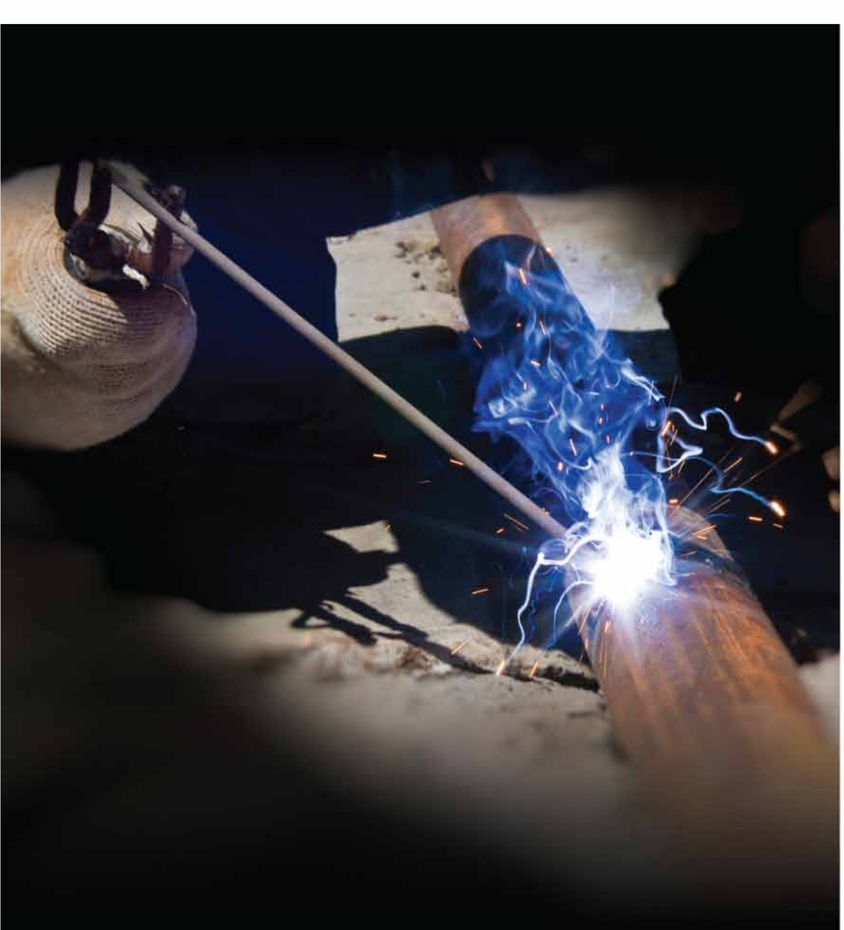
Gensa has the technology and expertise of establishing and operating turn-key Welding Electrode factories.

Thanks to our production capabilities, our company has been granted with research and development support by TUBITAK.(The Scientific and Technological Research Council of Turkey)

Our company, which used to carry out the production activities in our factory in GEBZE, established the new factory on a 16,000 m2 site in the "BANDIRMA Organized Industrial Zone" and achieved a capacity increase. Having decided to focus on new projects during the crisis period, our company completed its investment and has started production activities.

Our company has held the Quality Assurance System TÜV CERT ISO 9001 certificate since 1999.

The main policy of our company, which has its own research and development laboratory, is to produce what is not produced in Turkey and contribute to our country's economy and prestige.



"We value our CUSTOMERS. To keep our QUALITY at the highest level is the main policy of our company"

WE VALUE OUR CUSTOMERS

We guarantee the high and dependable quality with our products and services and consider ourselves as a tech-company which has the aim of maintaining high quality to our clients.

As GENSA A.Ş., our exported products are in demand and preferred because of our proven quality, reliability and capacity.

Our products with continuity which capable of taking even the advanced demands,quality and credibility which states precisely the values of the services we provide, expand our prestige and success.

We maintain that success with OUR QUALITY POLICY, the main anchor of which is "world class quality and full customer satisfaction".

In order to maintain and protect our success we set the following targets:

- Providing continuous training to all personnel considering that the building block of quality is human,

- Continuous improvement and continuous monitoring of these activities, keeping in mind the process-target connection in order to improve quality, ensuring continuity and reducing costs to maintain a competitive edge,

- Responding to customer needs with a view to satisfy the customers,

- Keeping the efficiency and capacity usage at its utmost levels, following the technical innovations and building team work spirit,

- Providing our high quality products at reasonable prices, within the time that the customer may need them and with a view to ensure that the product will not be returned,

With the contribution of our R&D laboratory, our vision is to contribute to our country's economy and reputation by also developing the products which are not produced by any other Turkish company.

OUR PRODUCTS
"ALL OUR PRODUCTS ARE STABILIZED"

STABILIZED FERRO ALLOYS POWDERS

REFINED FERRO MANGANESE — CODE : MC 100

Chemical Analysis		Sieve Analysis	
Mn	78.0 - 84.0 %	+ 425 Micron	0.0 %
C	1.0 - 1.5 %	+ 300 Micron	0 - 10 %
S	max. 0.02 %	+ 150 Micron	30 - 50 %
Si	max. 1.8 %	+ 75 Micron	58 - 75 %
P	max. 0.20 %	+ 45 Micron	75 - 95 %

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO MANGANESE LC. — CODE : LC 200

Chemical Analysis		Sieve Analysis	
Mn	78.0 - 84.0 %	+ 425 Micron	0.0 %
C	0.5 - 1.0 %	+ 300 Micron	0 - 10 %
S	max. 0.02 %	+ 150 Micron	30 - 50 %
Si	max. 1.8 %	+ 75 Micron	58 - 75 %
P	max. 0.24 %	+ 45 Micron	75 - 95 %

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO MANGANESE HC. — CODE : HC 00

Chemical Analysis		Sieve Analysis	
Mn	75.0 - 78.0 %	+ 425 Micron	0.0 %
C	5.5 - 7.5 %	+ 300 Micron	2 - 10 %
S	max. 0.02 %	+ 150 Micron	20 - 45 %
Si	max. 1.8 %	+ 75 Micron	45 - 75 %
P	max. 0.24 %	+ 45 Micron	65 - 90 %

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO SILICON — CODE : FS 45

Chemical Analysis		Sieve Analysis	
Si	43.0 - 47.0 %	+ 425 Micron	0.0 %
C	max. 0.10 %	+ 300 Micron	2 - 7 %
S	max. 0.015 %	+ 150 Micron	15 - 50 %
P	max. 0.03 %	+ 75 Micron	35 - 90 %
Mn	max. 3.0 %	+ 45 Micron	60 - 90 %
Al	max. 1.0 %		
Cr	max. 0.6 %		

PACKING : In 1 Mt Big Bags or 25 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO SILICON — CODE : FS 75

Chemical Analysis		Sieve Analysis	
Si	74.0 - 77.0 %	+ 425 Micron	0.0 %
C	max. 0.10 %	+ 300 Micron	2 - 10 %
S	max. 0.015 %	+ 150 Micron	15 - 50 %
P	max. 0.04 %	+ 75 Micron	35 - 90 %
Mn	max. 3.0 %	+ 45 Micron	50 - 90 %
Al	max. 1.0 %		
Cr	max. 0.6 %		

PACKING : In 1 Mt Big Bags or 25 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO SILICON — CODE : FS 60

Chemical Analysis		Sieve Analysis	
Si	65.0 - 69.0 %	+ 425 Micron	0.0 %
C	max. 0.10 %	+ 300 Micron	2 - 7 %
S	max. 0.015 %	+ 150 Micron	15 - 50 %
P	max. 0.04 %	+ 75 Micron	35 - 90 %
Mn	max. 3.0 %	+ 45 Micron	60 - 90 %
Al	max. 1.0 %		
Cr	max. 0.6 %		

PACKING : In 1 Mt Big Bags or 25 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO CHROMIUM LC. — CODE : FK 90

Chemical Analysis		Sieve Analysis	
Cr	70.0 - 74.0 %	+ 300 Micron	0.0 %
C	max. 0.06 %	+ 150 Micron	25 - 60 %
S	max. 0.02 %	+ 75 Micron	65 - 95 %
Si	max. 1.5 %	+ 45 Micron	80 - 100 %
P	max. 0.03 %		

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO CHROMIUM EX.HC. — CODE : FK 70

Chemical Analysis		Sieve Analysis	
Cr	64.0 - 70.0 %	+ 425 Micron	0.0 %
C	8 - 10 %	+ 300 Micron	0 - 5 %
Si	max. 1.5 %	+ 150 Micron	20 - 50 %
Ni	max. 0.5 %	+ 75 Micron	60 - 90 %
S	max. 0.06 %	+ 45 Micron	75 - 95 %
P	max. 0.04 %		

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO CHROMIUM HC. — CODE : FK 00

Chemical Analysis		Sieve Analysis	
Cr	65.0 - 70.0 %	+ 425 Micron	0.0 %
C	6 - 8 %	+ 300 Micron	0.0 - 1.0 %
S	max. 0.06 %	+ 150 Micron	33 - 55 %
Si	max. 1.6 %	+ 75 Micron	49 - 70 %
P	max. 0.05 %	+ 45 Micron	60 - 90 %

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO TITANIUM — CODE : FT 30

Chemical Analysis		Sieve Analysis	
Ti	28.0 - 34.0 %	+ 425 Micron	0.0 %
C	max. 0.10 %	+ 300 Micron	0 - 2 %
S	max. 0.03 %	+ 150 Micron	13 - 35 %
Si	max. 4.0 %	+ 75 Micron	50 - 70 %
Al	5.0 - 13.0 %	+ 45 Micron	80 - 100 %
P	max. 0.03 %		

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO TITANIUM — CODE : FT 40

Chemical Analysis		Sieve Analysis	
Ti	38.0 - 41.0 %	+ 425 Micron	0.0 %
C	max. 0.15 %	+ 300 Micron	0 - 5 %
S	max. 0.03 %	+ 150 Micron	20 - 45 %
Si	max. 3.0 %	+ 75 Micron	55 - 75 %
P	max. 0.03 %	+ 45 Micron	80 - 100 %
Al	7.0 - 13.0 %		

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO MOLYBDENIUM — CODE : FM 70

Chemical Analysis		Sieve Analysis	
Mo	67.0 - 73.0 %	+ 425 Micron	0.0 %
Si	max. 1.5 %	+ 300 Micron	0 - 5 %
C	max. 0.05 %	+ 150 Micron	10 - 20 %
S	max. 0.15 %	+ 75 Micron	50 - 80 %
P	max. 0.06 %	+ 45 Micron	75 - 95 %

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO MOLYBDENIUM — CODE : FM 60

Chemical Analysis		Sieve Analysis	
Mo	62.0 - 65.0 %	+ 425 Micron	0.0 %
Si	max. 1.5 %	+ 300 Micron	0 - 5 %
C	max. 0.05 %	+ 150 Micron	10 - 20 %
S	max. 0.15 %	+ 75 Micron	50 - 80 %
P	max. 0.06 %	+ 45 Micron	75 - 95 %

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO SILICO MANGANESE — CODE : FSM 60

Chemical Analysis		Sieve Analysis	
Mn	55 - 65 %	+ 425 Micron	0.0 %
Si	15 - 19 %	+ 300 Micron	2 - 10 %
C	max. 1.85 %	+ 150 Micron	33 - 45 %
P	max. 0.14 %	+ 75 Micron	58 - 75 %
S	max. 0.03 %	+ 45 Micron	60 - 85 %
Ti	max. 0.5 %		

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO SILICO MAGNESIUM — CODE : FSM 50

Chemical Analysis		Sieve Analysis	
Mg	4.5 - 6.5 %	+ 300 Micron	0.0 %
Si	43.0 - 47.9 %	+ 150 Micron	20 - 45 %
Ca	max. 0.940 %	+ 75 Micron	50 - 75 %
Al	max. 0.680 %	+ 45 Micron	75 - 95 %
Fe	max. 0.030 %		
C	max. 0.15 %		
S	max. 0.03 %		
P	max. 0.03 %		

PACKING : In 1 Mt Big Bags or 25 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO VANADIUM — CODE : FV 60

Chemical Analysis		Sieve Analysis	
V	55.0 - 62.0 %	+ 300 Micron	0.0 %
C	max. 0.2 %	+ 150 Micron	5 - 45 %
S	max. 0.05 %	+ 75 Micron	70 - 95 %
Si	max. 0.1 %	+ 45 Micron	75 - 97 %
P	max. 0.05 %		

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO TUNGSTEN — CODE : FW 80

Chemical Analysis		Sieve Analysis	
W	75.0 - 85.0 %	+ 300 Micron	0.0 %
Si	max. 1.0 %	+ 150 Micron	6 - 30 %
S	max. 0.07 %	+ 75 Micron	35 - 60 %
C	max. 0.2 %	+ 45 Micron	60 - 85 %
P	max. 0.08 %		
Mn	max. 0.5 %		

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO BORON — CODE : FB 20

Chemical Analysis		Sieve Analysis	
B	15.0 - 20.0 %	+ 300 Micron	0.0 %
C	max. 0.2 %	+ 150 Micron	15 - 30 %
Si	max. 1.5 %	+ 75 Micron	40 - 75 %
Al	max. 2.5 %	+ 45 Micron	65 - 95 %
P	max. 0.03%		

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

FERRO NIOBIUM — CODE : FN 65

Chemical Analysis		Sieve Analysis	
Nb	62.0 - 68.0 %	+ 300 Micron	0.0 %
Mn	max. 2.5 %	+ 150 Micron	15 - 30 %
C	max. 0.2 %	+ 75 Micron	40 - 75 %
S	max. 0.1 %	+ 45 Micron	65 - 95 %
P	max. 0.10 %		

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

OUR PRODUCTS
METAL POWDERS

CHROMIUM POWDER — CODE : CR 99

Chemical Analysis		Sieve Analysis	
Cr	99.6 - 99.7 %	+ 300 Micron	0.0 %
Fe	max. 0.3 %	+ 250 Micron	0.1 - 3 %
Al	max. 0.2 %	+ 150 Micron	55 - 65 %
Si	max. 0.05 %	+ 75 Micron	85 - 95 %
P	max. 0.005 %	+ 45 Micron	87 - 97 %
C	max. 0.02 %		
S	max. 0.01 %		

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

NICKEL POWDER — CODE : NK 100

Chemical Analysis		Sieve Analysis	
Ni	min. 99.5 %	+ 250 Micron	0.0 %
C	0.004 – 0.29 %	+ 150 Micron	max. 6 %
S	0.001 – 0.020 %	+ 45 Micron	min. 80 %
Fe	0.005 – 0.014 %	- 45 Micron	max. 15 %
Co	0.042 – 0.082 %		

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

MANGANESE POWDER — CODE : MN 99

Chemical Analysis		Sieve Analysis	
Mn	98.0 – 99.8 %	+ 425 Micron	0.0 %
C	max 0.05 %	+ 300 Micron	0 - 2 %
S	max 0.08 %	+ 150 Micron	28 - 46 %
P	max 0.008 %	+ 75 Micron	64 - 81 %
Fe	max 0.4 %	+ 45 Micron	82 - 92 %

PACKING : In 1 Mt Big Bags or 30 kg High Density Polyethylene bags, wrapped on pallets. (All kinds of packages are available)

OUR PRODUCTS
FLUXES (READY MIXED POWDERS)

FLUXES (READY MIXED POWDERS)

RUTILE - COATED ELECTRODE FLUXES (E 6013)

BASIC - COATED ELECTRODE FLUXES (E 7018)

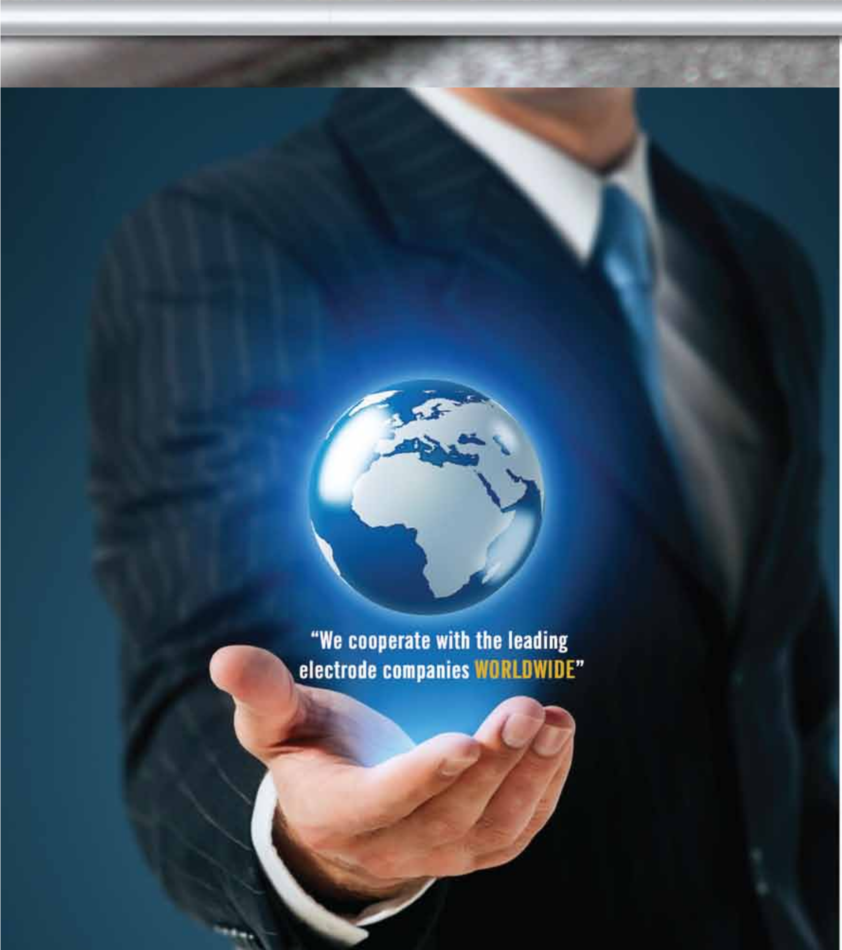
CELLULOSIC - COATED ELECTRODE FLUXES (E 6010)

STAINLESS - COATED ELECTRODE FLUXES (E 307 - 308 - 3010 - 3016)

CAST IRON FLUXES (E NiFe - CI , E NiCu - B)

PACKING : In 25 kg or 50 kg High Density Polyethylene bags and wrapped on pallets. (All kinds of packages are available)

NOTE : Apart from above given fluxes, we can produce many others as well.



"We cooperate with the leading electrode companies WORLDWIDE"

ENGLAND, NORWAY, TURKEY, INDONESIA, GREECE, PERU, ARGENTINA, PHILIPINES, EQUADOR, SPAIN, BRAZIL, NETHERLANDS, MEXICO, VENEZUELA, PORTUGAL, POLAND, USA, RUSSIA, BULGARIA, MALAYSIA, IRAN, ROMANIA, PAKISTAN, INDIA, AZERBAYJAN, IRELAND, SWITZELAND, TAIWAN, JAPAN, LEBANON, EGYPT, ROMANIA, ISRAEL, GERMANY, KENIA

OUR QUALITY CERTIFICATE

CERTIFICATE TÜV NORD

Management system as per
DIN EN ISO 9001 : 2008

Gensa Kimya San. ve Tic. A.Ş.
Head Office Production Site 1: Köşklü Çeşme Mah., Topçular Cad., No 57, Gebze, Kocaeli, Turkey
Production and Site 2: Bandırma Org. San. Bölg., Taştepe Mevkii, Bandırma, Balıkesir, Turkey

Head Office and Production Site 1: Manufacturing of "Stabilized Ferro-Alloy Powders and Fluxes for Welding Electrodes"
Production Site 2: Manufacturing of polymer-based insulation and adhesive materials for insulating glasses, automotive products, household appliances, cooling systems and construction industry

TÜV NORD CERT GmbH