

# COATWEL SEAL211

Marine Weld Replacement Sealant



MTG Co., Ltd. is a company dedicated to researching, developing, and manufacturing industrial goods and chemical products for the shipbuilding and industrial sectors. We have developed welding substitute sealants, structural adhesives, and metal protective coatings, among others, and have applied them to ships and industrial sites.

We continuously strive to address on-site improvements, prioritizing cost reduction and safety. Our goal is to research and develop products that meet our customers' demands by considering their requirements in an ever-evolving industrial landscape.

MTG aims to be a company that provides safe and successful solutions through collaboration with customers and innovation. We aspire to grow together as a reliable partner based on sustained research and trust.

PRODUCTS

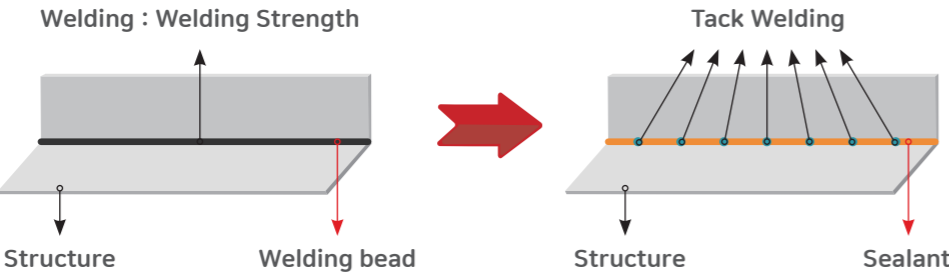
Metal Protective Coatings

Adhesives Sealant

Sealants with superior performance compared to overseas products!

COATWEL SEAL211

- Welding Replacement Sealant is a one-component, high-performance, multi-purpose sealing adhesive specialized in high-functionality fields. Excellent adhesion and sealing between structures, as well as permanent elasticity, reduce vibration and noise. In addition, it is a product that can be painted based on the material characteristics that combine the advantages of urethane and silicone, which has less contamination and has excellent weather resistance and durability.
- Welding work can be minimized by using a joint method using a sealant after tack welding in line welding.



Solving Welding Problems

Task difficulty	Safety accident risk	Protective equipment	Task difficulty	Safety accident risk	Protective equipment
Difficulty (Needs professional technicians)	Fire, Risk of asphyxiation	Heat-resistant safety shoes, Protective clothing, Safety gloves, Shading safety glasses, Etc.	Easy	None	Hard hats, Safety glasses
WELDING			COATWEL SEAL211		
Sheet metal deformation	Maintenance task difficulty	Greenhouse gas emissions	Sheet metal deformation	Maintenance task difficulty	Greenhouse gas emissions
The thinner the plate, the more	Difficulty	Lots (400L per 10m)	None	Easy	Almost none

Characteristics

- One-component best adhesive strength.
- Moisture curing type.
- Excellent post-workability by fast curing method.
- Flexibility against continuous vibration, which is characteristic of ships.
- No primer required.
- Does not contain phthalate-based plasticizers and solvents.
- Can be applied on urethane and epoxy based paint.
- Excellent sealing performance. (watertightness, airtightness)

PROPERTY	COATWEL SEAL211
Packaging and Curing Methods	Cartridge type (Moisture Curing)
Color	Gray
Specific Gravity	1.46
Dry to Touch Time	Within 20 minutes
Tensile Strength	5.1 MPa
Lap Shear Strength	6.4 MPa

PROPERTY	COATWEL SEAL211
Neutral Salt Spray Test	600 hours (salty5%), No problem
Enhanced weather resistance	3.5 MPa (QUV, 500h)
Paint adhesion strength	5.2 MPa
Workable temperature	0°C ~ 40°C
Adapted temperature after curing	-60°C ~ 120°C
RoHS 10 Test	NOT DETECTED



Purpose

Areas requiring welding



Areas requiring sealing



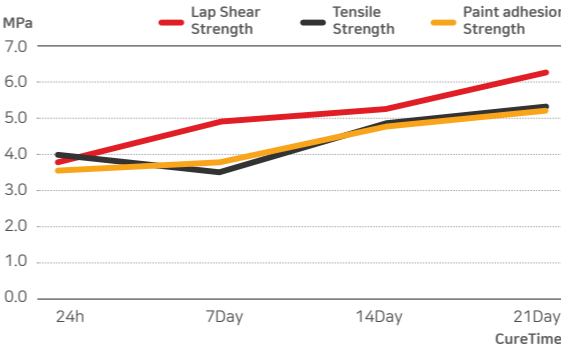
Locations needing dustproof, splash-resistant, and waterproof features



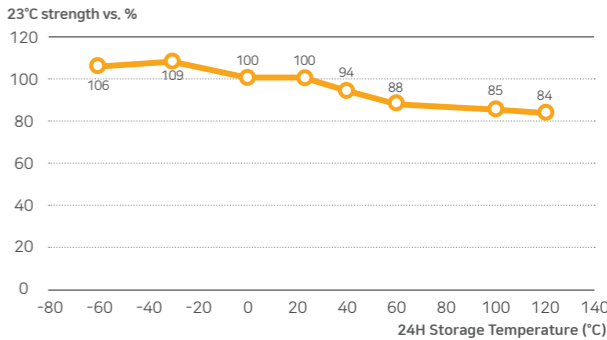
Areas requiring high-strength adhesion



Variation of Adhesive Strength by Drying Time



Changes in Adhesive Strength with Temperature



Application Area

