

CHEVETOL

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CHEVETOL

Made in TAIWAN



OXYGLUE



⚠ WARNING

Read and fully understand
this user manual before
using OXYGLUE product



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the digital version
of this user manual

**USER
MANUAL**



CHE-OXYGLUE-50

Pure Epoxy

CHE-OXYGLUE-200

Vinylester



**LONGER WORKING TIME
ODORLESS
FOR DIAMOND DRILLED HOLES**

Size: 400ml
Shelf life: 18 months
Mixing Ratio: 3:1
Mixed color: Orange

Features and Benefits



- Longer working time. Higher adhesive force
- Excellent adhesion on dry and wet boreholes
- Suitable for diamond drilled and large holes
- Excellent chemical resistance
- Wide operating temperature range (0°C~+40°C)
- Can be applied on cracked and uncracked concrete, brick, hollow brick, marble, and stone



**ENVIRONMENT FRIENDLY
STYRENE FREE
RAPID CURING**

Size: 360ml
Shelf life: 18 months
Mixing Ratio: 10:1
Mixed color: Gray

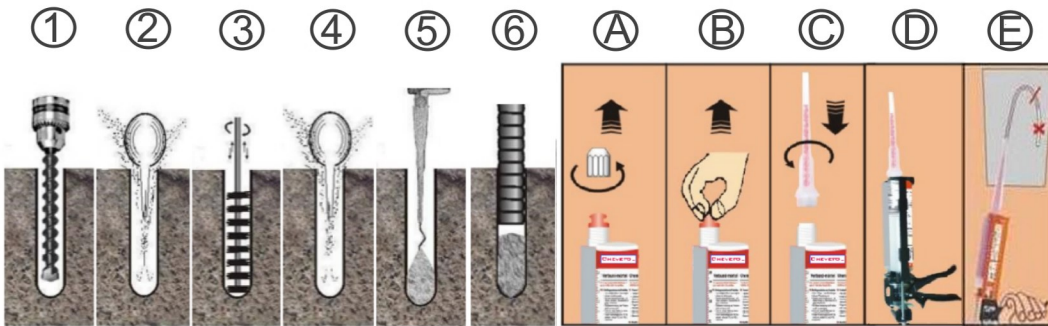
Features and Benefits



- Reliable adhesion in dry or wet condition
- Rapid curing. Suitable for overhead installation.
- Wide operating temperature range (0°C~+40°C)
- No Styrene, low VOC, environmental friendly
- Strong adhesion, good for heavy duty loads
- Chemical resistant, long shelf life, high durability
- Can be applied on cracked and uncracked concrete, brick, hollow brick, marble, and stone



Installation Instruction



1. Drill hole using correctly sized rotary hammer drill bit to the specified depth
 2. and 4. Blow out dust with clean air
 3. Clean hole with cleaning brush with stiff nylon or wire bristles
 4. Inject product from the bottom and make sure no air pocket is formed
 5. Insert studs or anchors using slow twisting motion
The inserts must be clean and oil-free
 - A. Open cartridge
 - B. Take off the red stopper from top (CHE-OXYGLUE-50 Pure Epoxy only)
 - C. Attach OXYGLUE static mixer tightly to cartridge
 - D. Assemble cartridge into caulking gun
 - E. Dispense initial mixture until the color is homogeneous
- ! Do not touch the inserts until the mixer has gelled
- ! Do not load the anchor until curing is completed as per curing time table

Curing Time Table

CHE-OXYGLUE-50

PURE EPOXY

Temperature (°C)	Gelling (mins)	Curing (hours)
5 ~ 10	120	24 ~ 40
10 ~ 20	30	16 ~ 18
20 ~ 30	15	5 ~ 6
30 ~ 40	10	4 ~ 5

CHE-OXYGLUE-200

VINYLESTER

Temperature (°C)	Gelling (mins)	Curing (hours)
0 ~ 5	-	4
5 ~ 10	16	3
10 ~ 20	12	2
20 ~ 30	8	1
30 ~ 40	3	0.5

! ATTENTION

- Do not install the product when substrate temperature is less than 0°C
- Do not install when the product temperature is less than 10°C
- At temperatures below 10°C, the product should be warmed or stored in 10 - 30°C for 24hours prior to use to improve product flow and cure
- If there is mortar left in the cartridge, please clean the opening, put the red stopper back and cap tightly
- Can be used again by replacing the static mixer
- Use OXYGLUE static mixer only to ensure effective mixing
- If the gelling time expires, please use a new static mixer
- Do not cut or shorten the static mixer
- Ensure spiral mixer is in place in the static mixer
- Do not install into uncured concrete
- Ensure hole is properly cleaned
- Not suitable for use in diamond cored holes without roughening
- Hole can be damp but must be free of water
- Do not dilute mortar with any solvents and/or any chemicals

Fixing per Cartridges

Anchor Size	Hole Diameter (mm)	Hole Depth (mm)	Number of Fixings	
			CHE-OXYGLUE-50 400 ml	CHE-OXYGLUE-200 360ml
M8	10	80	78	87
M10	13	90	65	58
M12	16	120	20	35
M16	20	145	11	17
M20	25	170	6	8
M24	28	210	3	5
M30	35	270	1	2
M36	40	330	1	1

! Above estimation is based on continuous installation without interruptions or mixer changes. This is a general guideline which varies with temperature



Product Strength

CHE-OXYGLUE-50 Pure Epoxy

REBAR		Destroy Haul Strength		Safety Haul Strength		Hole Dimension	
Number	Diameter (mm)	(kgf)	(kN)	(kgf)	(kN)	Diameter (mm)	Depth (mm)
#3 (10Ø)	9.52	3,607	36.4	1,202	12.1	13	90
#4 (13Ø)	12.7	6,409	64.7	2,136	21.6	16	125
#5 (16Ø)	15.8	9,695	97.9	3,232	32.6	20	145
#6 (19Ø)	19.05	13,655	137.9	4,552	46.0	25	170
#7 (22Ø)	22.225	18,672	188.6	6,224	62.9	28	200
#8 (25Ø)	25.4	24,032	242.7	8,011	80.9	32	225
#9 (29Ø)	28.65	27,364	276.4	9,121	92.1	37	260
#10 (32Ø)	32.25	31,730	320.5	10,577	106.8	40	290
#11(36Ø)	35.81	35,843	362.1	11,948	120.7	42	320

Threaded Rod	Destroy Haul Strength		Safety Haul Strength		Hole Dimension		
Number	(kgf)	(kN)	(kgf)	(kN)	Edge Spacing (cm)	Diameter (mm)	Depth (mm)
M8	2,338	23.6	779	7.9	5	10	80
M10	3,150	31.8	1,050	10.6	6	13	90
M12	4,951	50.0	1,650	16.7	7	16	120
M16	6,595	66.6	2,198	22.2	7	20	145
M20	11,958	120.8	3,986	40.3	9	25	170
M24	17,352	175.3	5,784	58.4	13	28	210
M30	28,605	288.9	9,535	96.3	16	35	270
M36	33,050	333.8	11,017	111.3	19	40	330

CHE-OXYGLUE-200 Vinylester

REBAR		Destroy Haul Strength		Safety Haul Strength		Hole Dimension	
Number	Diameter (mm)	(kgf)	(kN)	(kgf)	(kN)	Diameter (mm)	Depth (mm)
#3 (10Ø)	9.52	3,540	35.8	1,180	11.9	13	90
#4 (13Ø)	12.7	5,480	55.4	1,827	18.5	16	125
#5 (16Ø)	15.8	9,060	91.5	3,020	30.5	20	145
#6 (19Ø)	19.05	14,150	142.9	4,717	47.6	25	170
#7 (22Ø)	22.225	18,630	188.2	6,210	62.7	28	200
#8 (25Ø)	25.4	23,195	234.3	7,732	78.1	32	225
#9 (29Ø)	28.65	25,340	256.0	8,447	85.3	37	260
#10 (32Ø)	32.25	32,120	324.4	10,707	108.1	40	290

Threaded Rod	Destroy Haul Strength		Safety Haul Strength		Hole Dimension		
Number	(kgf)	(kN)	(kgf)	(kN)	Diameter (mm)	Depth (mm)	
M8	2,550	25.8	850	8.6	10	80	
M10	3,455	34.9	1,152	11.6	13	90	
M12	5,403	54.6	1,801	18.2	16	120	
M16	6,303	63.7	2,101	21.2	20	145	
M20	8,104	81.9	2,701	27.3	25	170	
M24	15,655	158.1	5,218	52.7	28	210	
M30	31,290	316.1	10,430	105.4	35	270	
M36	44,300	447.5	14,767	149.2	40	330	

- Concrete Strength: M27.5 (280kg/cm²) (4000 psi) (27.5 N/mm²)
- Rebar Strength: #3~#5: 2800 kgf/cm², #6~#11: 4,200 kgf/cm²



Accessory



OXYGUN

for CHE-OXYGLUE-50 Pure Epoxy



VINYLGUN

for CHE-OXYGLUE-200 Vinylester



OXYGUN and VINYLGUN are premium guns designed for the professionals. Outfitted with a full sized handle for a comfortable grip and ultimate precision. Handle: Aluminum Alloy

Static Mixer

Pure Epoxy



Vinylester



The mixer is used to homogenously mix two components during application. The design is to ensure consistent and accurate dispensing. It is made of high grade polypropylene.

Certificate



- VOC (Volatile Organic Compounds): According to the test results, all of OXYGLUE injection cartridges meet the requirements for adhesives and sealants of LEED 2009, IEQ 4.1 Green Building Certification Program.
- All test reports are available upon customer requests

Storage & Handling

- Storage
Store in dry and cool conditions away from direct sunlight or strong oxidizers. Keep cartridge tightly sealed in the original package at temperature 5 to 25°C.
- Handling
Provide good ventilation of the workplace. Keep away from heat source of ignition and open fire. Wash hand after applying and before eating. Wear protective outfit to avoid contact with skin or eyes.
Hand protection: Wear rubber or plastic coated gloves
Eyes protection: Wear Safety goggles or face shield
Skin protection: Wear suitable protective clothing



- Check the expiration date before use **YYYYMM**

- Hazard description
CHE-OXYGLUE-50
Component A: Xi Irritant Component B: Xi Irritant
Harmful by inhalation, irritating to eyes and skin

- CHE-OXYGLUE-200
Component A: Xi Irritant Component B: O Oxidizing
Risk of serious damage to eyes, may cause sensitization by skin contact, may cause fire



• First Aid Measures

Inhalation: Move to area of fresh air, seek medical attention if respiratory irritation develops or breathing becomes difficult.
 Skin contact: Remove contaminated clothing immediately. Wash contaminated areas with water and soap and rinse with water. Do not use any solvent. Seek medical attention if irritation develops or persists.
 Eye contact: Flush with clean water for 10-15 minutes. Hold eyelids apart to ensure complete rinsing of the eyes and lids with water. Seek medical attention if irritation persists.
 Ingestion: Does not induce vomiting. If swallowed, drink plenty of water. Seek medical attention immediately.

• Fire Fighting Measures

Exposure hazards: Contact with combustible material may cause fire. Toxic fumes formed during decomposition (CO) may cause severe health hazard. Avoid breathing vapours and fumes.
 Suitable extinguishing media: Foam, water spray, carbon dioxide (CO2), dry powder extinguisher
 Not suitable extinguishing Media: Direct water jet
 Special protective equipment: Self-contained breathing apparatus may be required for serious fires.

• Accidental Release Measures

Environmental protection: Do not empty into drains and water course. If substance has entered a water course, lake or sewer or contaminated soil or vegetation, advise the responsible authority according to local regulations.
 Clean up procedures: Shovel into a suitable close container.

• Stability & Reactivity

Condition to avoid: Extreme of temperature exceeding 35°C, sunlight and UV-rays
 Material to avoid: None known if cartridge is not damaged.
 Hazardous decomposition products: None known if used as specified.

• Ecotoxicity

Not applicable due to low volumes involved. The package is waterproof and avoids leakages. In case of an unlikely accident, do not allow the material to enter water course. If water is contaminated, inform the relevant authorities immediately.

• Disposal Considerations

Product Packaging: Can be incinerated in compliance with local regulations. Contaminated packaging material should be disposed as identically to the product itself. Non-contaminated packaging material should be treated as household waste or as recycling material.

Cured material: may be considered insert and disposed of as builders waste.

• Classification

For UN number, Packing group, ADR / RID, OACI / IATA group, and IMDG code, the product is not considered as dangerous goods.

! This product must be handled only by personal well informed of safety conditions. The above information is based on our present knowledge, and is intended to describe the product in terms of health & safety requirements only.

• Regulatory Information (Classification according to EEC Council Directives)

- CHE-OXYGLUE-50

Component A: Resin: liquid epoxy, HydrophilicPyrogenic Silica
 Symbol: Xi Classification: irritant
 R-Phrase R36/38: Irritating to eyes and skin.
 R43: May cause sensitization by skin contact
 S-Phrase S24: Avoid contact with skin
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
 S28: After contact with skin, wash immediately with water and soap.
 S37/39: Wear suitable protective clothing, gloves and eye protection

Component B: Hardener: modified polyamine derivative

Symbol: Xi Classification: irritant
 R-Phrase R20/22: Harmful by inhalation and if swallowed
 R34: Cause burns R43: May cause sensitization by skin contact
 R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R62: Possible risk of impaired fertility.
 S-Phrase S1/2: Keep locked up and out of the reach of children
 S24: Avoid contact with skin
 S26: In case of contact with eyes, rinse immediately with plenty of water and see medical advice
 S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
 S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

- CHE-OXYGLUE-200

Component A: Resin: Acetic Acid 2-vinylphenyl Ester, Silica Sand
 Symbol: Xi Classification: irritant
 R-Phrase R36: Irritating to eyes. R37: Irritating to respiratory system.
 R38: Irritating to skin. R41: Risk of serious damage to eyes
 R43: May cause sensitization by skin contact
 S-Phrase S24: Avoid contact with skin
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
 S37/39: Wear suitable protective clothing, gloves and eye protection.
 Component B: Hardener: dibenzoyl peroxide
 Symbol: O Classification: Oxidizing
 R-Phrase R7: May cause fire R36: Irritating to eyes
 R43: May cause sensitization by skin contact
 S-Phrase S3: Keep in a cool place S24: Avoid contact with skin
 S14: Keep away from reducing substances, acids, alkalies and heavy metal compounds
 S37/39: Wear suitable protective clothing, gloves and eye protection.

