

Cat-tape™

Silicone adhesive tape for sealing of edges of Catpad sheets

ShinEtsu
Shin-Etsu Silicone



Cat-tape™

Silicone adhesive tape for finishing of edges and overlapping sections of Catpad sheets.



Cat-tape cures and bonds in 24 hours after application, and bonds strongly to both Catpad sheets and mortar foundation surfaces.

No caulking gun or masking tape required, easy to work.

Can also be used to fill gaps, due to its putty-like consistency.

Less waste, which is better for the environment.

Packaging/Standard product size

● Packaging

Each roll comes in an aluminum moisture-proof pack.



● Standard product size

W25 mm × L3,000 mm

Comes with a pink separator film on one side. Pull off the separator film after applying the product to the substrate.

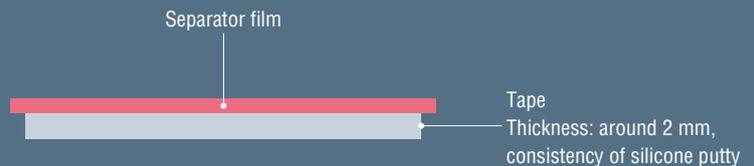


General properties

● Before curing (consistency of silicone putty)

Color	Separator film	Pink
	Tape	Light gray

Structure



● After curing (silicone rubber)

Parameters		Conditions	Curing time	Measured value	Remarks
Physical properties	Hardness	23°C/50%RH	8 days	45	JIS K 6249, A type
	Tensile strength			5.4 MPa	JIS K 6249
	Elongation			730%	
	Shear strength			16 kN/m	JIS K 6249, Angle type
Adhesion	On mortar	23°C/50%RH	8 days	22 N	Pulled in 180° direction, tape width: 10 mm
		40°C/95%RH		17 N	Pulled in 180° direction, tape width: 10 mm
	On Catpad	23°C/50%RH	8 days	47 N	Pulled in 180° direction, tape width: 10 mm Pulled off 50 with a jig using around 50 N of force.
	On Catpad		12 days	65 N	Pulled in 180° direction, tape width: 10 mm

(Not specified values)

Construction example and advantages of using Cat-tape

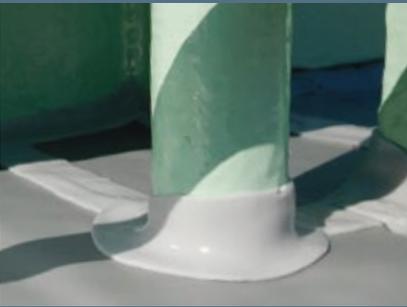
Cat-tape is designed for use with Catpad, and is used in many locations.

Construction examples

Sealing of overlapping Catpad sheets on outdoor tanks



Waterproofing of the bases of anchor bolt shafts and tops of boxes around outdoor tanks



Advantage:

Cat-tape is easier to work with than silicone sealants, and creates a finished look.

Construction examples

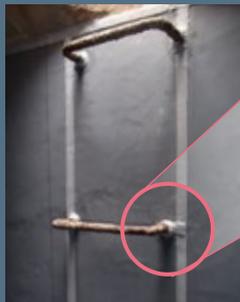
Joint inside a box culvert Catpad-cloth used to seal edges and overlap joints



Advantage:

Product was easy to use on ceilings.

In an underground water tank for firefighting Catpad used to seal edges, overlap joints and bases of ladder shafts



Advantage:

Sealing of edges of sheets and butt joints between sheets is easy, and construction took less time.

Construction procedure

Covering Catpad

Process 1

Surface preparation

Using power and hand tools, prepare the application surface by completely removing existing paint and rust to expose the metal beneath.



Process 2

Cleaning

Run your hand over the application surface to brush away small particles, etc.



Process 3

Eliminate moisture

Dry the application surface using a burner or blower. If use of such heat sources is restricted, dry thoroughly using a rag, etc.

● If the surface is too damp, Catpad will not adhere and bond to it properly.



Process 4

Covering Catpad

Take care that no air is trapped between the product and application surface. Use of a roller makes this easier. Be sure to press down firmly where sheets overlap. At this stage, the product should have a thick, gummy consistency, which can be checked by lifting the edge slightly.



Thick, gummy consistency

* See the separate catalog for more information on Catpad.

Applying Cat-tape

Process 5

Cleaning

Clean the application surface with alcohol or similar and allow to dry.

- Do not use detergents.
- Do not touch the application surface with bare hands. Use of gloves is recommended. If textile gloves are worn, fibers may stick to the surface and degrade the bond.



Process 6

Applying Cat-tape

Open the package. Try to use up the product within about 30 minutes of opening the package.

● The product reacts with moisture in the air to bond/cure.

Starting with the overlaps, then cut with scissors once enough has been applied.



Process 7

Press down

Press down on the back of the separator film with the fingertips and then with a roller, making sure no spots are missed.



Process 8

Remove the separator

Slowly remove the separator film by pulling in a 180° direction.

- Be careful when removing the separator.
If the separator is pulled upward, the product may come up with it.



Process 9

Apply to edges

Apply to edges in the same manner.



Process 10

Press down

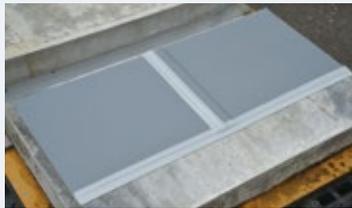
Be sure to press down firmly in places where pieces of tape overlap.



Process 11

Completed

Leave for 24 hours until the surface is cured, then the job is done.



Used with Catpad



Used with Catpad-cloth

Handling Precautions

1. Avoid working when there is water on the application surface. Make sure the surface is dry before starting work.
2. Clean the application surface of rust, debris, fibers, sand, small stones, oil, and water droplets. The Catpad surface can be cleaned with ethanol. Cleaning with detergents can have a negative effect on bonding, and should thus be avoided.
3. Once the aluminum moisture-proof pack is opened, the curing process begins as the product reacts with moisture in the air. All products in the pack should be used within 30 minutes of opening. Unused products cannot be saved for later use.
4. This product is not a low-molecular-weight siloxane reduction type. Do not use it for electronic applications.

Safety and hygiene

1. Uncured Cat-tape may cause skin irritation. When handling the products, take care to avoid contact with the skin and mucous membranes by wearing protective glasses and protective rubber gloves. In case of skin contact, immediately wipe off with dry cloth and then flush thoroughly with running water. In case of accidental eye contact, flush immediately with plenty of clean water and then seek medical attention. Contact lens wearers must take special care. If the products get into the eye, the contact lens may become stuck to the eye.
2. During curing, methyl ethyl ketone oxime (MEKO) is generated. Be sure there is adequate ventilation when handling this product. Avoid handling in a poorly ventilated area causing inhalation of vapors. If you feel ill after breathing the vapor, move immediately to an area with fresh air.
3. Keep out of reach of children.
4. Please read the Safety Data Sheet (SDS) before use. SDS can be obtained from our Sales Department.

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