STOPAQ Coat Wrap CZ technical specifications

Edition: 001

Date: 30-06-1998

Foreword:
This technical standard explains how STOPAQ Coat Wrap CZ can be utilised to prevent rust in various situations, both above and below ground. Naturally, no two situations are identical, and this information is merely intended to provide assistance on the basis of the knowledge accrued up to the date mentioned above. The purpose of this manuel is to provide the best possible descriptions of the ways in which STOPAQ Coat Wrap CZ can be processed by means of standard situations.

Introduction
STOPAQ Coat Wrap CZ has the following properties:
- Immediate adhesion to steel, PE, PP, epoxy, polyurethane, PVC, etc., without roughening.
- No radiation required
- No hardening time
- Can be used within a temperature range of -60 to 185 ºF
- No torching required
- Extremely easy to mould (therefore also useable in difficult situations such as couplings, T-joints, bends, etc.).
- excellent performance at ASTM G8 (CD test)
- Has been fully tested (reports available upon request).
- Can be processed rapidly.
- Has a long life time expectancy
- Applicable both above and below ground.

Application area

STOPAQ Coat Wrap CZ has the following areas of applicability:
Underground tank storage pipework
Pipes, joints, bends and T-joints, repairs, Cadwell welding, etc.

Pipelines (medium or gas transportation)
Repairs to existing coating (PE, Bitumen, PP, epoxy, etc.)
T-joints, bends, (soil air) transitions, Cadwell welds, girth welds, etc.
On-site welds in pipes with a relatively high constant temperature

Flanged joints
Protection from corrosion of the (above ground) flanged joints between flange plates, in combination with STOPAQ 4200 Flange filler.

Requirements in relation to packaging, storage, shelf life, toxicity and transport.

The following data must be printed on the packaging:

Product name: STOPAQ Coat Wrap CZ (HT) or STOPAQ Wrapping Tape CZ (H)

Name of supplier or dealer

6 digit batch number

Packaging:

2” / 16.5’
4”/ 33’
8"/66' (machine wrap)

Shelf-life:

STOPAQ Coat Wrap CZ has an unlimited shelf life.

Toxicity, Environment, Transport, Storage

STOPAQ Coat Wrap CZ is non-toxic and not harmful to the environment. This makes danger symbols unnecessary, and no special arrangements or other measures are required during transport, storage, etc.

Any waste remnants may be regarded as normal household waste.

STOPAQ Coat Wrap CZ that has been removed and cannot be reused must be taken to a waste incineration plant.

The material must be stored clean and dry at normal temperatures (minimum 14 °F, maximum 124°F).

Instructions for use

General pre-treatment of steel objects

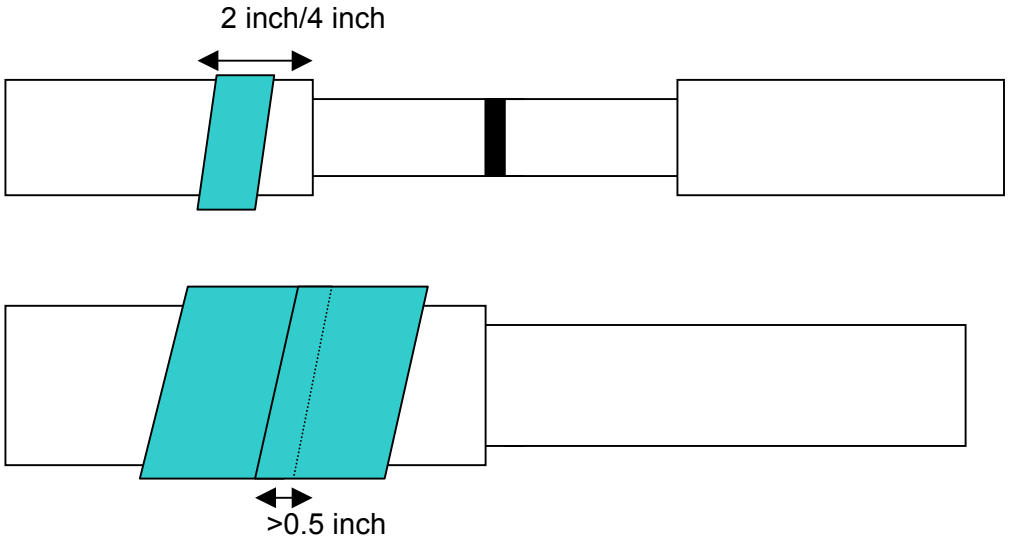
Remove all loose debris, such as rust, loost coating, sand, etc., with the aid of a rust brush, abrasive cloth or hand brush, as thoroughly as possible.

When all the loose material has been removed, the object must be cleaned with a dry nonfluffy cloth, or with dry compressed air or nitrogen.

The substrate must be clean and dry. This means that it is not recommended to work with objects below the dew point or with condensing objects.

Coat Wrap application

Underground situation 1a) welded joint

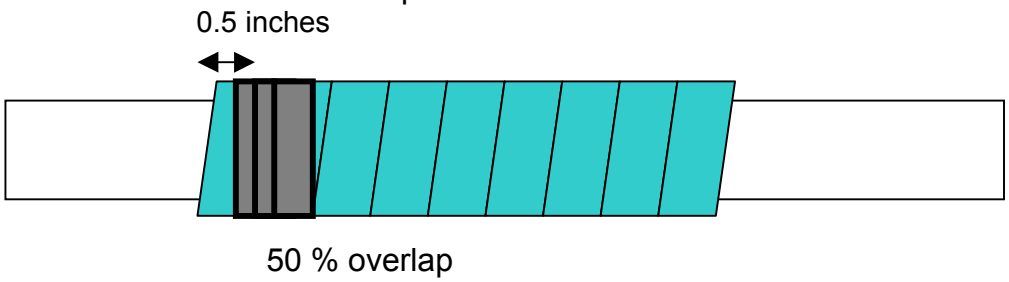


Begin by wrapping a 4 inch section of the existing coating if pipe diameter is larger or equal to 6 inches and a 2 inch section of the existing coating if pipediameter is less than 6 inches.

Pull STOPAQ Coat Wrap tightly around the pipe and ensure that there is an overlap of at least 0.5 inches.

Continue wrapping STOPAQ around the steel until 4 inches (larger than 6 inches) or 2 inches (smaller than 6 inches) over the existing coating.

Now wrap the appropriate pre-stressed protective tape with a 50 % overlap, with 1 cm of the STOPAQ Coat Wrap left free at either end.



1b: STOPAQ Coat Wrap CZ for the repair of gas or medium transportation pipe coating.

When a damaged section is located, the loose coating must first be removed. As much as possible should be removed, until the existing coating that still has full adhesion to the substrate is revealed.

Dry the surface and apply the general pre-treatment.

Cracks can be covered with patches of STOPAQ until there is a 2 inch overlap on the existing coating.

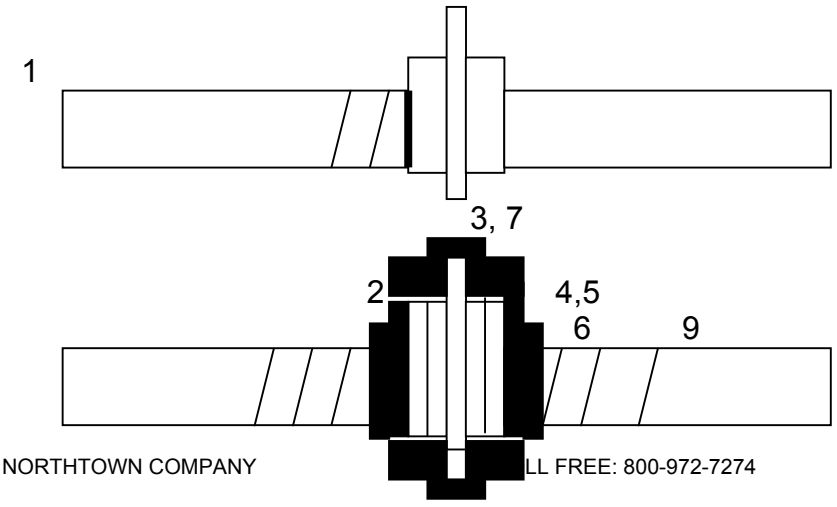
Apply pressure all over the Coat Wrap, especially along the edges of the overlap.

If wrapping is possible, another layer of STOPAQ Coat Wrap CZ and finishing tape comparable to that in 1a may be applied. If wrapping around the pipe is not possible, use three layers of STOPAQ, applying strips of protective tape to the upper layer.

1c: couplings

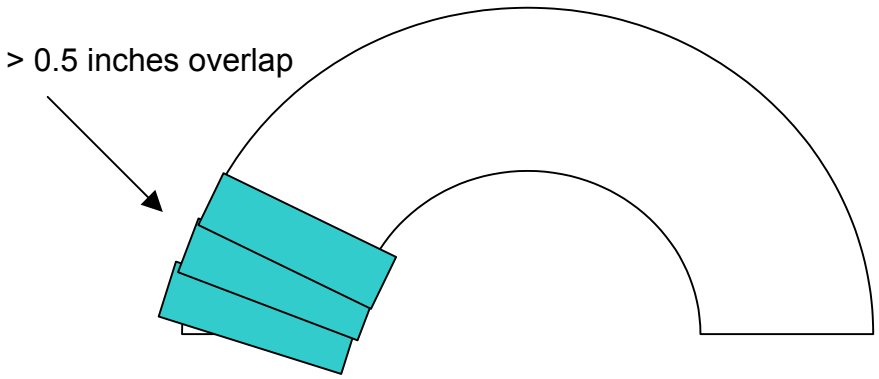
The following method is used for joints:

0) Pre-treatment as described above
1) Wrap as indicated in 1A (2” or 4” overlap over the existing coating) up to the joint
2) Upon reaching the joint, the layers must be built up to the height of the joint, and then wrapped over it.
3) Stop when you reach the top part of the joint
4) Now build more layers of tape up against the joint
5) Continue wrapping over the built-up layers on the top part
6) Now wrap down to the pipe again
7) Now start wrapping on the joint again such a way that the entire surface is smoothly graded.
8) Apply pressure to the tape on and around the joint.
9) Now continue wrapping on the pipe.
10) Finish the job with protective tape as in 1a.



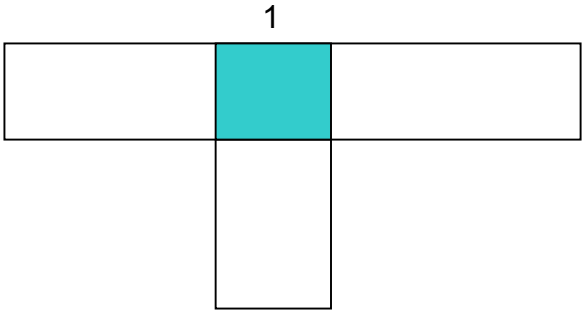
1d: bend

See situation. However, during wrapping there must be an overlap of at least 0.5 inches on the outside of the bend.

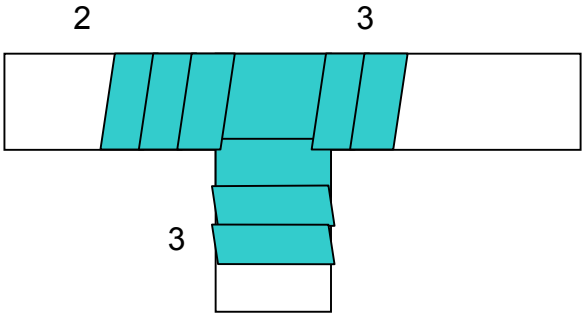


Then wrap protective tape as in 1a, with a 50 % overlap.

1e: T-joint

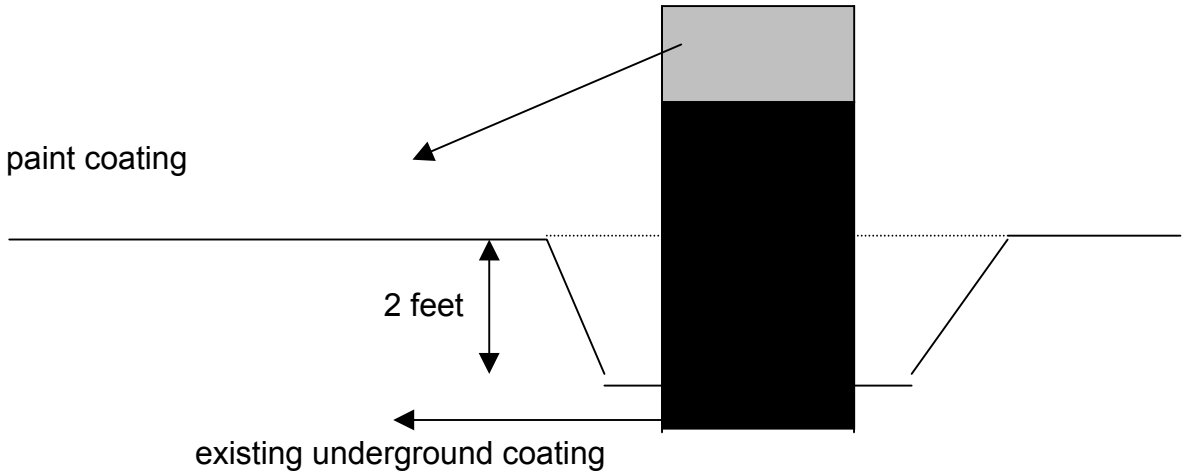


1) First, apply strips of coat wrap to the pipe intersection
2) Then start on one of the pipes and then wrap crossways into the corner.

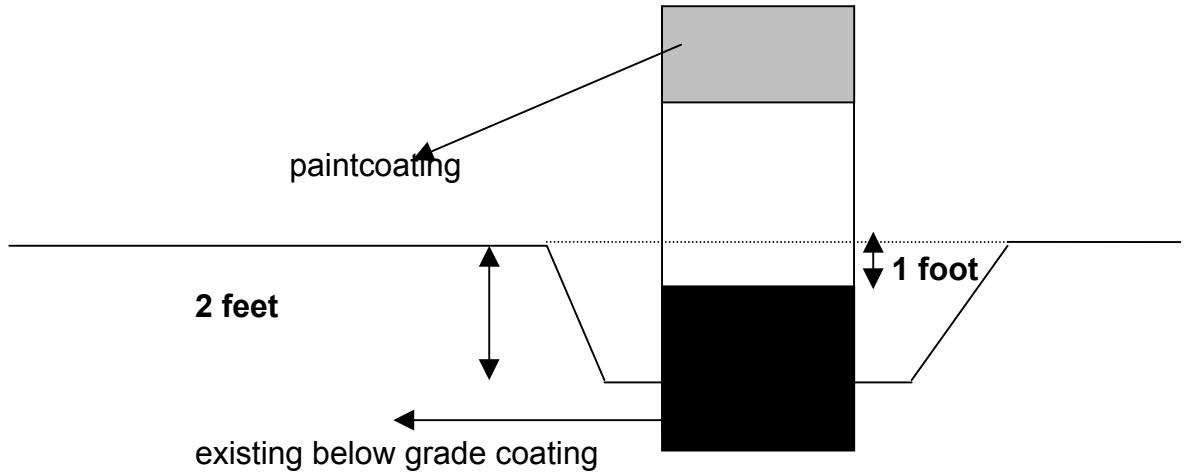


3) Turn to the other pipe, and wrap crossways into the other corner. Continue this process until all cavities are filled.
4) If necessary, start again with a 0.5 inch overlap on the tape that has already been applied.
5) Finish the job with protective tape, as in 1a.

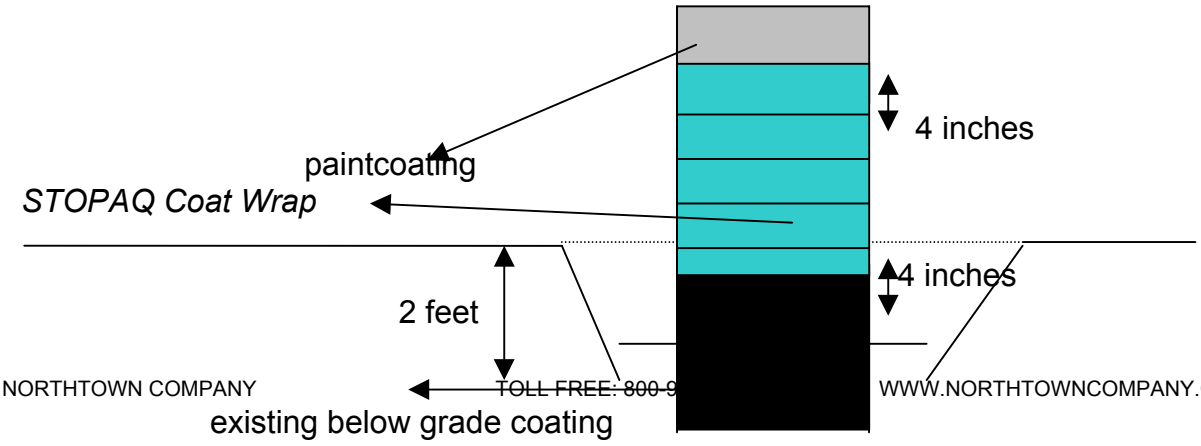
2 Situations above ground: soil/air interface



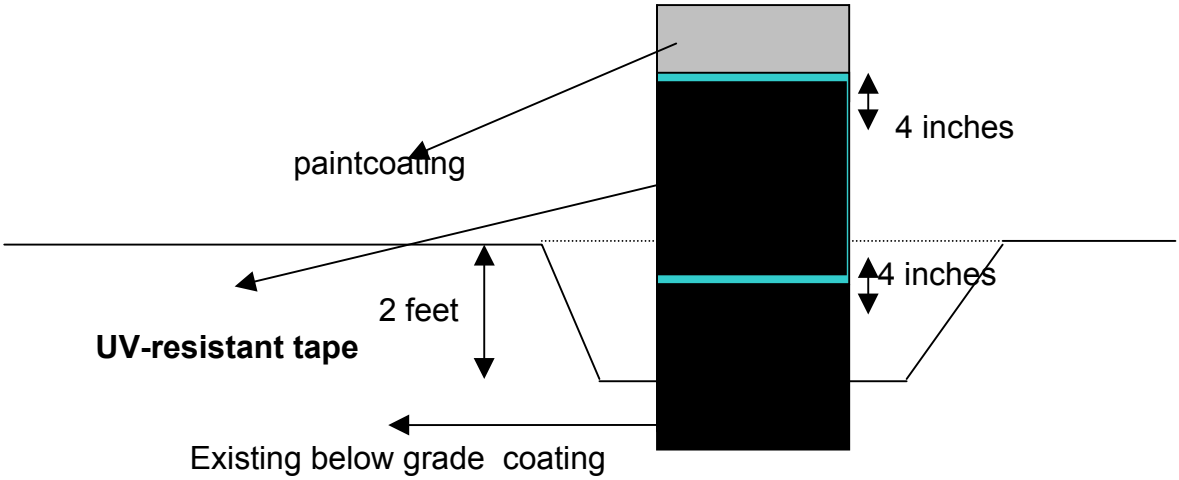
1) Clear the earth away from 2 feet of the interface below grade.
2) Remove the existing coating to 1 feet below ground level.



3) Remove all loose coating particles as goodl as possible, then blow clean with dried air and nitrogen.



4) Begin wrapping from the bottom with STOPAQ Coat Wrap, starting with 4 inches overlap over the existing coating.
5) Continue wrapping with STOPAQ Coat Wrap (overlap min. 0.5 inches) until 4 inches over the existing above grade (paint) coating.
6) Finish the job with UV resistant tape (30% overlap), wrapping from the bottom up, while pre-stressing the tape. Start this wrapping 0.5 inches above the beginning of the Coat Wrap, and finishing 0.5 inches below the STOPAQ Coat Wrap.



Wrap the final length (1 foot) of the UV resistant tape without pre-stressing. When necessary, fix with a primer to avoid loose ends (Butyl primer HT)

Above ground flanged joints
Ask your distributor or manufacturer for details

Your Distributor: