



# ANTICORWrap C50

## COATING DESCRIPTION

ANTICORWrap C-50 is a multilayer coating. The letter C means a mechanical resistance class, according to EN 12068 and DIN 30672 (2004). The number 50 indicates that the temperature of continuous working operation of this coating should not exceed 50°C.

### Coating designation according to EN 12068 - C50

The basic structural layers comprise of primer filler (primer), corrosion protection tape and mechanical protection tape. Sublayers are created within the structural layers by applying tapes with overlaps. The ANTICORWrap C-50 system is used mainly for the insulation of transmission steel pipelines (straight and arched sections of pipelines, fitting), tanks and other cylindrical objects.

## COATING STRUCTURE

Table 1

Type of coating	Primer filler	Basic corrosion protection layer, overlap	Mechanical protection layer, overlap
ANTICORWrap C50	ANTICORWrap Primer 720	ANTICORWrap 740-32, 1×50%	ANTICORWrap 750-20, 1×50%
ANTICORWrap C50	ANTICORWrap Primer 720	ANTICORWrap 740-32, 2×50%	

## COATING PROPERTIES

Table 2

General parameters	Units	Values	
		Two-tape system	Monotape system
Total thickness	mm	2.70	3.40
Adhesion to primered steel	N/cm	≥ 44	≥ 44
Cathodic disbondment	mm	≤ 6.0	≤ 6.0
Unit resistivity	Ωm <sup>2</sup>	≥ 8.0*10 <sup>11</sup>	≥ 2.5*10 <sup>11</sup>
Impact resistance	J	≥ 15	≥ 15

## USAGE

Apply the tape spirally in individual layers, manually, or mechanically (e.g. using the OWR-2 wrapping machine), with preload (tension) that causes the tape to decrease its width by 1-2%. Apply the corrosion protection tape (ANTICORWrap 740-32) with the black inner layer on a surface prepared to the grade of cleanliness according to table 2, dry and degreased covered with the ANTICORWrap Primer 720, finished to dust-free condition. Temperature of the insulated surface should be at least 3°C higher than the dew point.

The primer must be thoroughly mixed before using. NOTE! This material is flammable! When applying indoors, ensure efficient ventilation.

Before application condition the tape at 15÷30°C.

When applied, the coating should be smooth with no wrinkles or air bubbles. Overlaps should be equal.

Approximately an hour after applying the coating, a pressed out, adhesive layer (the adhesive) should be visible at the edges of the mechanical protection tape, as a result of proper tension.

To cover sharp objects (T-connectors, valves etc.) or to fill cavities of the coating (e.g. when repairing), always use the plastic filling mass ANTICORWrap Mastic 710 or BUTYLMASTIK, provided in cubes (briquettes) of 1 kg.

To soften the bulge of the weld face, use the aforementioned mass in the form of 3 mm thick and 60 mm wide tape.

**Apply ANTICORWrap Mastic 710 / BUTYLMASTIK to a surface protected with primer.**

Check tightness of coating using a holiday detector with test voltage 5kV/mm of the coating thickness, however not higher than 15kV (EN 12068).

## COATING COMSUMPTION & SIZE AVAILABLE

Table 3

Tape	Dimensions (width, mm/length, m)	Tape surface in the roll, m <sup>2</sup>	Tape wear (consumption) per 1m <sup>2</sup> of the insulated surface
ANTICORWrap 740-32	50 × 15	0.75	2 m <sup>2</sup>
	100 × 15	1.50	2 m <sup>2</sup>
ANTICORWrap 750-20	50 × 30	1.50	2 m <sup>2</sup>
	100 × 30	3.00	2 m <sup>2</sup>

**Primer consumption:** 0,2 L/m<sup>2</sup> of the protected Surface. The primer is provided in 1-litre cans.

Tapes 100 mm width should be applied by hand wrapping machines OWR-2.

The diameter of a standard roll core is 76 mm.

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