

# CARAPAX NON-ABRASIVE WITH ACTIVATOR AC 420

Moisture curing polyurethane coating

Product code                    SIS CP 00 420TC  
TDS-Code/-Date:                TDS CP 420-EN/02

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## PRODUCT DESCRIPTION

Carapax Non Abrasive is a moisture curing polyurethane coating.

- » This product is especially suitable for the long-term corrosion protection of all steel surfaces. Carapax Non Abrasive is highly resistant against abrasion and chemical influences and shows a low water and water vapour diffusion and a good resistance to UV rays and light.

## BINDING AGENT

Moisture curing polyisocyanate

## PIGMENTS

Anorganic and organic pigments

## SOLVENTS

Aromatic hydrocarbons

## FIELDS OF APPLICATION

High-pressure pipes, sewage treatment plants, plant construction, locks, particularly in submarine areas, as well as in ship building Carapax Non Abrasive coating can be applied in industrial environments and sea climate, as well as for underground and submerged constructions.

Carapax Non Abrasive Coating is suitable for the application of thick layers up to 400 µm, also on vertical surfaces.

## SURFACE PRE-TREATMENT

1. Removal of contaminations:
  - Remove oil and grease residues with solvent or emulsifying agent solutions.
  - Remove salt residues with a brush or by steam vapour.
  - The substrate must be clean, free from dust or grease, dry, solid and stable.

2. Mechanical roughening, preparation by sand blasting is desirable up to degree Sa 2 ½

3. Primer: Carapax Zinc M or Carapax PI

## COATING RECOMMENDATIONS

- 1 x        60 µm    Carapax Zinc M  
2 x        150 µm   Carapax Non Abrasive

## APPLICATION METHODS

Brush-, roller-, air- and airless-spray application

## APPLICATION CONDITIONS

- Relative air humidity:        30 - 98 %  
Object temperature:         - 5 °C (ice-free) up to + 50 °C.

## LAYER THICKNESS

150 µm - 400 µm DFT  
Depending on the use up to 350 - 1200 µm DFT

## VISCOSITY

200 DIN 6  
2.500 – 3.500 mPas (Brushing Viscosity)

## THINNER

Thinner TH 510    Rolling  
Thinner TH 520    Spraying

Quantity of admixture of thinners depends on ambient temperature and type of processing.

## AIR SPRAYING

- Pressure:                        5 bar  
Nozzle:                          2,4 – 3,2 mm  
Thinner:                         10 -15 % TH520

### AIRLESS SPRAYING

Pressure: 150 - 200 bar  
Nozzle: 0,5 - 0,8 mm  
Thinner: 0 - 5 % TH 520

### CLEANING OF EQUIPMENT

Thinner TH 510 or Thinner TH 520

### DRYING:

at 20 °C 150 µm DFT

- » Dust dry after: 2 hour
- » Fast to handling after: 6 hours
- » Overcoat able after: 6 hours
- » Stressable after: 24 hours

### TEMPERATURE RESITANCE

+ 140 °C (dry)

### SHELF LIFE

3 months in unopened original can under cool and dry storing conditions.

Cover opened cans with thinner TH 510 or TH 520 and close tightly.

### DENSITY

1,45 g/cm<sup>3</sup>

### SOLIDS

80 % weight

70 % volume

### MATERIAL CONSUMPTION

- » Carapax Non Abrasive: 150 µm 400 µm
- » Theoretically: 310 g/m<sup>2</sup> 830 g/m<sup>2</sup>

The actual need can vary greatly - depending on the object geometry and application. The roughness compensation is not taken into account.

### AVAILABLE IN CANS OF:

12 l (10 kg + 1 kg Activator A 420 = 11 kg net)

### COLOUR

Grey, other colors on request

### V.O.C.

278 g/l

### UN-NO.

1263

### RID/ADR/SDR NUMBERS

No product of class 3 (Activator A-1949 KI 3 Ziff 31c)

### FLASH POINT

+ 35 °C

- » Please pass this data sheet on to the person in charge of the coating.

Above data and recommendations are based on extensive tests and are to be considered only as guidelines without any obligations. As we are continuously developing and improving our products we recommend to consider the date of this data sheet and, if necessary, to ask if there were any changes in the meantime. In case of further questions, please contact one of our technical advisors for detailed information.