

# NITOSEAL SC N Oct. 2013

Alcohol based building silicone (Secolastic N)



## THE PRODUCT

*Nitoseal SC N* is a one component neutral silicone sealant which cures due to a reaction with the humidity of the air and releasing fumes of alcohol. It cures to a soft elastic sealant, which can take relatively large movements.

## TECNICAL DATA

<b>Packing:</b>	Cartridges of 0,3 L x 12 per box Sachets of 0,6 L x 20 per box
<b>Colour:</b>	Grey, black and white
<b>Hardness:</b>	About 29 Shore A
<b>Storage time:</b>	12 month in unopened packing. It should be stored dry and cool and below 30°C.
<b>Temperature:</b>	Can be applied at +5°C to +40°C. After curing <i>Nitoseal SC N</i> can take temperatures between -40°C and +150°C
<b>Curing time:</b>	Skins in 30 - 45 minutes and is cured in 2 - 4 day depending on humidity and temperature
<b>Movement:</b>	25%
<b>Movement at brake:</b>	270% (EN 28339)
<b>Tensile strength:</b>	0,35 N/mm <sup>2</sup> (DIN 52455)
<b>E-modul 100%:</b>	0,35 MPa (EN 28339)
<b>Egenvekt:</b>	1,38 kg/l

<b>Joint-dimension:</b>	Joint width shall be minimum 4 mm and maximum 25 mm. Joint depth is normally 50 % of the width but minimum 5 mm and maximum 16 mm
<b>Chemical resistant:</b>	Withstands UV-light and most chemicals.

## AREAS OF USE

*Nitoseal SC N* is specially formulated for taking large movements in joints. It will work inside and outside in all kinds of buildings. *Nitoseal SC N* is specially meant for joints around doors, windows, in concrete elements, on glass and metal, gluing mirrors on the wall and on GRP boats. *Nitoseal SC N* is normally used without a primer on most surfaces.

## INSTRUCTIONS

### Preparations

The joint sides shall be sound, clean, dry, free from ice, grease, dust and loose particles. Metal and plastic has to be degreased. As a joint filler expanded polyethylene in the correct dimension is used to establish the correct joint depth. In wet areas like swimming pools (only sidewalks), kitchens, slaughter houses, car washes etc. Primer PI3X has to be used. (See separate instructions)

### Application

Cut of the tip of the cartridge with a sharp knife. Cut an angled cut of the nozzle to fit the joint. *Nitoseal SC N* is applied with a hand or an air driven sealant applicator.



### **Tooling**

The sealant is smoothed with a wet piece of wood. Be sure that the sealant is in full contact on both sides of the joint walls. No paint will stick to *Nitoseal SC N*.

### **Cleaning**

Tools with uncured sealant can be cleaned with *Seco Rensevæske*. Cured sealant can only be removed mechanically. Hands and skin should be washed with water and soap.

### **HEALTH AND SAFETY**

Store without reach for children.  
For further notice see the Health and Safety Datasheet for *Nitoseal SC N*.

### **INSTRUCTIONS FOR PRIMER P13X**

#### **Preparation**

- *Prepare the joint sides with a degreaser.*
- *Use an angel grinder or a steel brush to roughen up the joint sides.*
- *Use a vacuum cleaner to take away the dust from grinding.*
- *Put down the expanded polyethylene cord to the right depth.*

#### **Mixing Primer P13X**

- *Pour the content of the small container into the larger container.*
- *Put the lid back on the larger container and shake the container for 30 seconds to mix the two components.*

#### **Application**

- *Use a small semi stiff brush. Apply the P13X on both joint sides.*
- *Let the Primer P13X cure until it is touch dry. Normally this takes about 60 minutes. The curing time must not exceed 3 hours. After that the joint sides has to be grinded again and new coat of P13X has to be applied.*

#### **Sealant**

- *When the Primer P13X is touch dry the Nitoseal SC N can be applied.*

All data and recommendations in this datasheet are based on tests and experience. As the users working conditions is out of our control, we cannot take the responsibility of the results the user achieves with the products.