

## TECHNICAL DATA SHEET – CS06/ CS07

### GEBOFOAM NORDIC (B3)

#### **Application at ambient temperatures up to –15 °C**

#### **Free of CFC's, HCFC's, FC's and HFC's**

GEBOFOAM NORDIC -B3 is a one-component polyurethane assembly foam, and is based on a moisture curing polyurethane prepolymer. The propellant mixture is free of CFC's, FC's and HFC's. It complies to the upcoming EU legislation on greenhouse gases (KOM (2003)492 final 2003/0189 (COD)).

The development and manufacture of our products is subject to our approved quality assurance system according to ISO 9001/EN 29001.

#### **Areas of Application:**

- window setting (where a clean and controlled backfill is required)
- roller blinds (sealing of connection joints)
- entrance door linings
- any kind of small breakthroughs in walls and other cavities

#### **Properties:**

The fresh foam adheres to all common building materials except from surfaces such as polyethylene, silicone, oil and grease and similar substrates. The foam can be used at ambient temperatures from –15 °C to +35°C. The minimum working temperature of the can ist +5 °C. The cured foam is semi-rigid and predominantly close-celled. It is resistant to temperatures ranging from -40°C to +80°C and to ageing, but not to UV-rays. Noise and heat insulation values are excellent.

#### **Preparation:**

Surfaces must be firm, clean, free of dust, loose particles and grease. They must be moistened well with water. It is advisable to apply a primer well penetrating into the ground if necessary. All construction components must be properly prepared prior to foam application. It is advisable to have Cleaner D500 at hand. The ideal working temperature for both the can and environment is +20 °C.

Chilled cans must be carefully warmed in luke-warm water before usage. However, the can must not be heated above +50 °C, as there is a risk of bursting. Cans which are too hot, for example after having been left in a vehicle during summer, must be cooled in water. The can should be shaken occasionally during this process to obtain the required temperature faster. Prior to work, and before the can is attached to the PU-gun, it must be shaken thoroughly at least 15 - 20 times. Care must be taken not to overtighten the adapter and not to activate the valve during this process.

#### **Application:**

The instructions for the can must strictly be observed.

The fresh foam will expand by 1 ½ to 2 times. Therefore care must be taken not to overfill joints.

Fresh foam spills must be removed immediately within the tack-free time with D500 Cleaner.

**Please Note:**

Moisture is needed for an even and rapid curing of the foam. Inadequate moistening or overfilling of joints and cavities may lead to an unwanted post-expansion of the foam. Once a can has been started, it should be used within four weeks.

**Safety Instructions:**

see Safety Data Sheet GEBOFOAM NORDIC.

**Delivery Form:**

Tinplate cans: 750 ml  
Carton: 12 cans each

**Technical Data:**

(determined at +20 °C, 50 % relative air humidity)

Yield, free expansion (bulk density approx. 16 kg/m<sup>3</sup>)

Yield

750 ml

up to 50 litres

Cell-structure

medium-fine

Tack-free

6 - 8 minutes

Cuttable (20 mm bead)

10 - 12 minutes

Stability load bearing (20 mm bead)

after approx. 12 hours

Minimum working temperature (ambient air, application surfaces)

-15 °C

Minimum working temperature (Can)

+ 5 °C

Maximum working temperature (Can, application surfaces)

+35 °C

Optimum working temperature (Can, application surfaces)

+20 °C

Tensile strength (in accordance to DIN 53430)

8 - 10 N/cm<sup>2</sup>

Elongation at tension (in accordance to DIN 53430)

20 - 30 %

Shear strength (in accordance to DIN 53427)

4 - 5 N/cm<sup>2</sup>

Compressive strength at 10% stress (in accordance to DIN 53421)

3 - 4 N/cm<sup>2</sup>

Temperature resistance of the cured bead

Long-term

-40 °C to +80 °C

Short-term

-40 °C to +100 °C

Shelf-life

12 months

Store and transport in cool, dry conditions

(Considerably higher temperatures may reduce the shelf-life)

Cans must be stored in a standing position.

We reserve the right to make physical and chemical changes to our products from time to time as a result of technical development and research.