

# NIPPON SZ



**FAST, COMPACT LEVELLING OF SUBSTRATES.  
GUARANTEED.**



# NIPPON SZ

## FOR FAST, COMPACT LEVELLING OF SUBSTRATES.

### 1. FUNCTION

For making cement-bonded styrofoam levelling fillers.

Nippon SZ is characterised by its very good application properties and high coverage.

Nippon SZ comes with guaranteed workability. For the warranty a separate assignment for supervision of the construction site is required. Please request information material and an individual consultation.

### 2. PRODUCT PROPERTIES

- High strengths and early strengths
- Highly improved bonding between cement and styrofoam
- Stable, loadable surface
- Works virtually regardless of temperature and air humidity
- Fully dry and ready for further application after 48 hours (at layer thicknesses up to 200 mm)
- Long workable life despite short curing time
- Suitable for pumping, also at high temperatures
- Insensitive to moisture, therefore suitable for permanently wet areas
- Suitable for all areas

### 3. MIXING INSTRUCTIONS AND PROCESSING

50 kg cement\*, 250 ml Nippon SZ, max. 20 litres water, 200 litres styrofoam filler. Mixing time: at least 90 sec.

**CAUTION: 350 ml standard screed mixture must under no circumstances be exceeded!**

- After delivery to the site the levelling filler must be distributed and levelled evenly.
- The filler must be compacted with a hand rammer.
- At layer thicknesses over 10 cm, application and compaction must be performed layer by layer.

All relevant standards, especially DIN 18353, DIN EN 13813 and DIN 18560, customary industry practices and standards and the technical instructions of the manufacturer of the filler materials must be observed.

Seal open containers airtight immediately after use and use the contents as quickly as possible.

### 4. NOTE

Not suitable for levelling fillers with mineral, absorbent aggregates (levelling fillers with granulated pumice stone, perlite, expanded clay) as well as grit fillers. Levelling fillers modified by the manufacturer are not suitable either.

Layer thicknesses over 200 mm considerably prolong the stated drying times. It is difficult to specify the exact drying times. Practical experience has shown that the drying time is about 2 days longer per 5 cm additional layer thickness of the levelling filler. This information is not binding. Please see the information on moisture measurement in section 6.

### 5. BUILDING CLIMATOLOGY

For application, the same conditions largely apply as for screed application.

It is possible to use condensation dryers to accelerate the filler drying process, especially at layer thicknesses over 200 mm.



Scenic forest at Windberg, Zwickau: RETANOL® XTREME, RETANOL® EKA BLAU, Nippon SZ, CT-C20-F4-H45-S65, workability: 7 days

### 6. MOISTURE MEASUREMENT

The moisture can be measured with a CM measuring device. To do so, the weight of 20 g sample material (taken over the total cross-section of the levelling filler) is sufficient. Workability for laying the insulation is obtained if the CM value is  $\leq 9\%$ .

#### Foil test

In case of uneven application thicknesses and thicknesses above 200 mm it is recommended to select a representative surface area and to cover about 2 x 2 m of the area with a thick transparent PE foil fixed airtight with masking tape. The foil should be left in place for at least 2 days. The degree of dryness is sufficient if no condensation has formed beneath the foil.

### 7. DISPOSAL

Do not allow to enter the aquatic environment, sewage system or soil. Recycle completely empty containers (non-drip and open).

All the information on this product given above is based on extensive practical experience and tests carried out by PCT Performance Chemicals GmbH. However, it is not possible to take all construction site conditions into account and to give suitable instructions for use in each case. It is therefore recommended to verify the applicability, appropriateness and practicability of this information and the intended measures by means of individual tests. PCT assumes warranty for the correctness of this product information and the described properties as well as for the effect of the product. PCT reserves the right to change the product specifications. If the site is or has been supervised by PCT the user is under no obligation to check applicability and appropriateness.

\*Only use types of cement approved by PCT.



