

## Technical Datasheet

13.10.2011  
1 / 2

### TerraWet® Primer G 9/185 FoodSafe

#### Product description

Water based primer for the UV inline coating.

#### Properties during coating process

Runability	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ □
Drying	■ ■ ■ ■ ■ □ □ □ □ □
Crackling tolerance	■ ■ ■ ■ ■ ■ ■ ■ ■ □
Foaming tolerance	■ ■ ■ ■ ■ ■ ■ ■ □ □
Two-sided coating	■ □ □ □ □ □ □ □ □ □

#### Properties in dry condition

Gloss	■ ■ ■ ■ ■ ■ ■ ■ ■ ■
Scuff resistance	■ ■ ■ ■ ■ ■ ■ □ □ □
Wet block resistance	■ ■ ■ □ □ □ □ □ □ □

#### Material characteristics

- Delivery viscosity: 60 sec. (20°C, DIN 4mm cup)
- Solids: 37 - 42%
- Specific weight: 1,05 g/ml

#### Packaging unit

- 1.000 kg container
- 125 kg drum

#### Special properties

- very low draw back effect

#### Field of application

##### Application

- Sheet-fed offset, double coating
- Drying: IR and hot air
- wet-in-wet

##### Substrates

- coated paper
- coated board

##### Printing products

- folding box, food
- folding box, cosmetics

- folding box, pharmaceuticals
- labels
- commercial prints, covers

#### Food legislation classification

- The coating is characterised by low migration (global migration < 60 mg/kg (EU cube model)).
- The coating has been tested for food contact by an accredited testing laboratory and has been certified for the direct contact to dry and fatty foodstuffs. A corresponding certification is available on demand from our department for product safety.
- The coating correspond to the Swiss Ordinance (SR 817.023.21 - ordinance of the Swiss Confederation on materials & articles in contact with food).
- A final evaluation according to food law requirements is only possible on basis of a migration analysis that has been conducted on the completed product. The analysis if the packaging is suitable for the designated filling good including the possible interdependencies between both is incumbent on the responsibility of the one who brings the packaging into circulation.

#### Processing recommendations

- Recommended coating application: 3,5 - 5 g/m<sup>2</sup>/ wet
- Stir before use
- We recommend to check the viscosity and to adjust it with water if necessary.
- Please use printing inks suitable for coating
- Resistance against alkali, alcohol and solvents should be given according to DIN ISO 2836, formerly DIN 16524, in order to exclude a change of colour.
- We recommend to apply the UV varnish as overlapping on the primer.
- Recommended pile temperature: not > 35°C
- We recommend to omit adhesive straps.
- There must be a sufficient hardening of the overall system substrate-printing ink-coating before further processing which should be checked in the process.
- For the further processing of the sheets under mechanical load and / or the influence of humidity,

## Technical Datasheet

13.10.2011  
2 / 2

### TerraWet® Primer G 9/185 FoodSafe

a sufficient high basic consistency of the substrate is required.

- Using non-absorbent substrates and / or slowly absorbent printing inks, we recommend to plan for the corresponding drying times.
- The full profile of characteristics of the coating film is available after complete drying.
- The coating is suitable for wrapping in foils XS and MS (no acrylic coated foil).
- In case of an insufficient drying of the printing ink a fault in form of a printing ink film splitting can't be excluded at later refinement processes.

#### Cleaning

- Please clean machines and tools immediately with water. Dried varnish residues can be removed with TerraWet Clean Cleaning Agent G 12/180.

#### Storage

- Protect from frost, heat and sun exposure
- Minimum shelf-life from date of dispatch 12 months
- Applies to closed original containers at 5°C up to 30°C
- Avoid mixing with other coatings or washing water.
- After opening use as soon as possible
- A viscosity increase is possible if the coating is stored incorrectly or for a longer period of time.

#### Safety instructions

- Clean immediately with water if the coating comes into contact with skin or eyes.
- Please consider also the information given in the safety data sheet.

#### Environmental recommendation

- Do not allow coatings to get into water or canalisation.
- Product residues must be disposed professionally according to effective regulations.
- Please consider also the information given in the safety data sheet.

#### Please be advised

- All information provided on this product (in this

sheet or elsewhere) are made to the best of our knowledge.

- All information are technical quality descriptions, advisory and due to the wide range of materials, production conditions, operations and processes do not release from own tests and examinations in customer-specific circumstances. Information about slip angle and heat resistance are based on internal examinations and the mentioned values can differ from the practice. A correspondent quality agreement can be made if a specification is requested.
- We reserve the right to change product characteristics because of technical progress, amendment of applicable law and mandatory production-related needs.
- If an application is intended to be made under different conditions than those specified in this sheet, we only assume liability after having examined the respective different conditions.
- This data sheet does not claim to be complete.