

# Technical Information and Application-instructions for

## Branth's Rust-Primer *[ROSTSCHUTZ MENNIGE]* Lead-free

### **Description:**

High-performance, flat, fast drying Single-Pack coating showing excellent corrosion resistance. Superb primer and filler in one, suitable for manually derusted substrates as well.

Excellent coverage rates due to high solids, good adhesion, recoatable with most other generic types of coatings.

A versatile and reliable product for manual application.

Environmentally friendly, free of heavy metals and aromatic hydrocarbons. Reduced solvent emission for application in any environment.

No danger label required (no hazard symbol).

### **Recommended areas of application:**

Corrosion Protection for objects and constructions made of iron and steel, in rural, urban, industrial and maritime areas. As a protective coating for new construction or maintenance, as active corrosion resistant primer for topcoats based on Alkyd, acrylic, PVC, Polyester, Chlorinated Rubber, Bitumen, PU etc. Corrosion resistance for vehicles, machinery, vehicle components, cargo-vehicles, etc.; both as primer and filler for coating of property or component manufacturing. **Ideal for manual application.**

### **Manufactured by:**

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## Technical information

- o **Product description:**  
Combination of various natural and synthetic resins combined with environmental friendly, very active, multiple-phase rust-inhibitive pigments and barrier pigments, zinc-, lead- and chromate-free. Solvent combination is free of aromatic hydrocarbons like xylene or toluene.
  - o **Viscosity:** 200 sec. / DIN 4 mm
  - o **Thinning:**
    - Branth's Kombi Thinner (short drying time)
    - Branth's Spezial-Thinner (retards initial drying)
    - Nitro-thinner or 2-Comp. thinners may be used (check compatibility)
    - White spirit, etc. are not suitable
  - o **Density:** 1,5 kg/l.
  - o **Solids:** 75% (by weight)  
56% (by volume)
  - o **Coverage:**
    - theoretical: 9 m<sup>2</sup>/l. at 60 µm dry
    - practical: depends on application losses, surface roughness, porosity etc. **material consumption approx. 0,15 l/m<sup>2</sup>**
  - o **Recommended dry film thickness:**  
60 µm dry, equals 100 µm wet;  
up to 200 µm d.f.t. possible without sagging.  
practical: roller application 40-70 µm d.f.t.  
brush application 60-100 µm d.f.t.  
spray application 50-200 µm d.f.t.
  - o **Colour:** orange, flat
  - o **Storage stability:**  
24 months in unopened, original cans, in a well-ventilated dry environment.
- Minimum tenability:**
- o The tenability indication on the cans implies the warranted tenability in unopened, original cans, in a cool, well-ventilated dry storage areas. The indicated tenability is **no expiry date**. The indicated minimum tenability should especially help using older cans first. As long as the coating material can be stirred homogeneously, it can be applied without problems.
  - o **Available:** 5 l. cans with "material-saver" lids and 750 ml cans.

## Application instructions

- o **Suitable substrates:**  
Iron and steel constructions, properly degreased and free from rust scale and mill scale. Manually prepared rusted surfaces (min. St 2), wet blasted substrates and flash-rust are acceptable for optimal corrosion resistance. Excellent adhesion properties on existing coatings.
- o **One-component application**
  - Brush or roller, direct from can, dilute sparingly if necessary;
  - Conventional spray at 22-35 sec.; 1.2-1.8mm nozzle / 4-5 bar (equals 8-10% addition of thinners)
  - Airless spray at 60-80 sec. / min. 180 bar, nozzle 0.12-0.22; angle 40-80° (equals 3-5% thinners)
- o **Temperatures:**  
Ideal application temperature: +18°C to +25°C  
Possible application temperature -10° to +30°C
- o **Drying times:**  
(at 20°C and 65% relative humidity)
  - touch dry: after 30 minutes
  - to recoat: after 90 minutes
  - no need to abrade before over coating
  - dry to handle: 2 hours
  - completely dried: 24 hoursForced drying at elevated temperatures is not recommended.  
The exact drying times depend on film thickness, ventilation, temperature, relative humidity, etc.: above figures are based on 60-80 µm d.f.t.
- o **Recoat with:**
  - At any time, without abrading, with Brantho-Korrux "3 in 1" or Branth's Robust Lack.
  - After 1-2 hours or later, without abrading, with current single pack intermediates and topcoats.
  - After 1 day or later, without abrading, with current two-pack intermediates or topcoats.
- o **General**  
Substrate must be clean, dry and compatible. Stir well before use. For removing the lid, follow instructions on the can.
- o **Personal protection / disposal**  
Please refer to Health & Safety Data Sheet.

The information herein contained is based on our present knowledge. It is based on practical experience during many years and is composed carefully. The technical information is average, and values do not impose any liability. As the application of this material in any individual case is beyond our control we cannot be held liable.

This data sheet is a translation of the German sheet 01/03; by Jos van Ochten for BrabCoat in Roosendaal, The Netherlands