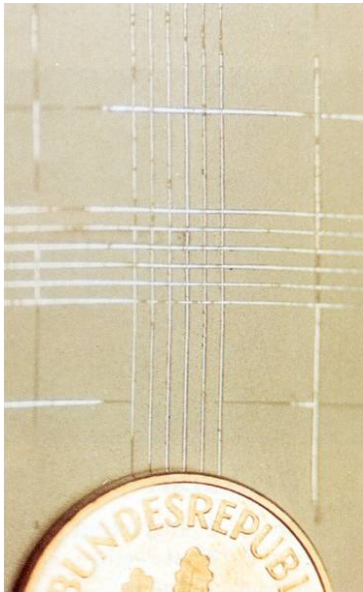


Technical Information
and
Application-instructions
for

Branth's
Adhesion-Primer
Special (Aps)
[HAFTGRUND-SPEZIAL]



Result: **Gt 0**

Branth's Adhesion primer special (Aps):

Adhesion primer for hot-dip galvanised substrates and similar substrates. Flat, fast drying recoatable with most other generic types of coatings

Environmentally friendly, free of heavy metals and aromatic hydrocarbons. Reduced solvent emission (no hazard symbol), compatible with Brantho-Korrux "3 in 1".

No danger label required

Manufactured by:

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environment friendly coatings ltd

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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:** 150 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:** 1,35 kg/l.
- o **Solids:** 70% (by weight)
50% (by volume)
- o **Coverage:**
 - theoretical: 9 m²/l. at 50 µm dry
 - practical: depends on application losses, surface roughness, porosity etc. **material consumption approx. 0,15 l/m²**
- 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 30-50 µm d.f.t.
brush application 40-60 µm d.f.t.
spray application 40-150 µm d.f.t.
- o **Colour:** grey, approx. RAL 7038, 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.
- o **Personal protection / disposal**
Please refer to Health & Safety Data Sheet.

Application instructions

- o **Suitable substrates:**
metal substrates, especially new and old galvanised steel, stainless steel, aluminium, steel, copper/brass, thermosetting plastics, existing coatings, etc. Even applicable for manually prepared rusted surfaces.
- o **One-component application**
 - Brush or roller, direct from can, dilute sparingly if necessary;
 - Conventional spray at 22-35 sec.; 1.2-1.8 mm 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°C to +30°C
- o **Drying times:**
(at 20°C and 65% relative humidity)
 - touch dry: after 20 minutes
 - to recoat: after 60 minutes
no need to abrade before over coating
 - dry to handle: 60 minutes
 - 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 50-60 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 **Surface preparation:**
New galvanised:
 - abrading not necessary but recommendable. Clean and degrease and flush with fresh water.
 - remove white zinc salts carefully. **Do not** abrade with steel fibre, preferably use a plastic fibre embedded abrasive (e.g. Scotch Brite® or similar) and water.
 - only apply on clean, dry and degreased substrates; apply sufficient d.f.t. (from 60 µm)
 - apply sufficient d.f.t on corroded, thus rough, substrates.Other substrates:
Substrate must be clean, dry and compatible.

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 11/03; by Jos van Ochten for BrabCoat in Roosendaal, The Netherlands.