# VB 100-20

**PVB-Grundierfiller**

# Product Information

## Product description

**Operational Sector :**

1K-acid primer of high filling power and excellent adhesion, designed to give active anti-corrosion protection to ferrous metal, steel, zinc and aluminium. Re-coatable with water-borne and solvent-borne Mipa 1K- and 2K-paints. Especially developed to be applied both as groundcoat and as filler. Chromate and lead free.

**Specification :**

| | |
|---|---|
| **Binder base:** | polyvinylbutyral |
| **Solid content:** | 38 - 42 weight -% |
| **Delivery viscosity (DIN 53 211)**: | 100 - 120 s 4 mm |
| **Spec. weight (DIN 51 757)**: | 1,05 - 1,25 kg / l |
| **Gloss (DIN 67 530):** | 10 - 20 % / 60° (dull) |

**Features :**

- speedy initial dry, high filling power
- electrostatically applicable
- active anti-corrosion protection
- outstanding temperature stability:
  permanent exposure: 120 °C; short time exposure: 150 °C
- adhesion test (**DIN 53 151**):
  iron, steel: Gt 0 (very good); zinc: Gt 0 (very good),
  aluminium: Gt 0 (very good)

**Storage :**

In tightly closed original containers at least 3 years shelf life

**VOC-regulation:**

EC limiting value for the product (cat. B/c): 780 g/l (2007)
This product contains max 712 g/l VOC [5,94 lbs/gal ]

## Application

**Processing Conditions:**

From + 10 °C and up to 80 % relative air humidity .

**Substrate Preparation :**

**Ferrous metal, steel:** clean and eventually sand (remove all traces of rust, cinder, oxides) and degrease with Mipa Silikonentferner ( anti-silicone).
**Zinc:** clean with ammonia alkaline wetting agent.
**Aluminium:** clean, sand and degrease with Mipa Siliconentferner (anti-silicone).

**Application Process :**

| | Pressure [bar] | Nozzle [mm] | Spraying Operations | Thinner |
|---|---|---|---|---|
| **Air / Flow jar** | 3 – 4 | 1,4 – 1,5 | 2 – 3 | 40 – 50 % |
| **HVLP** | 2,5 – 3 | 1,4 – 1,5 | 2 – 3 | 40 – 50 % |
| **Airless** | 120 – 150 | 0,28 – 0,33 (65 – 95 °) | 1 | 5 – 10 % |

# VB 100-20
## PVB-Grundierfiller
## Product Information



Only 1 spraying operation is necessary when applied as groundcoat (= 15 – 20 µm)

| **Dry** | **dust dry** | **set to touch** | **handle** | **recoatable** |
|---|---|---|---|---|
| Object temp. 20 °C | 15 - 20 min. | 45 - 60 min. | 4 - 5 h | 60 min. |
| Object temp. 60 °C | | | 30 min. | |

Full cure after 3 - 4 days (20 °C).

**Thinner :** Mipa 2K Verdünnung, Verdünnung UN 21

**Application Proposal :**

**Ferrous metal, steel:**
Base coat: VB 100-20 (coat thickness: 20 - 30 µm)
Top coat: PU 200-90 (coat thickness: 50 - 60 µm)
**Zinc:**
Base coat: VB 100-20 (coat thickness: 20 - 30 µm)
Top coat: PU 200-90 (coat thickness: 50 - 60 µm)
**Aluminium:**
Base coat: VB 100-20 (coat thickness: 20 - 30 µm)
Top coat: PU 200-90 (coat thickness: 50 - 60 µm)

**Theoret. Consumption :** 7,5 - 8,0 $m^2$ / kg (by 20 µm dry coat thickness)

## Special Recommandations

To be used only by professionals. Some colours may contain lead therefore do not use for children's toys or in food contact applications. About 3 months outdoor storage of the treated parts is possible (base-coated parts only, of minimum 50 µm coat thickness, not recoated with a top coat). Do not use on thermoplastic substrates. Not recommended to be used as adhesion promoter on panels of hard aluminium (use in this case Mipa Washprimer).

## Safety Instructions

Do not smoke, eat or drink during application. Keep away from children.

## Cleaning of Tools

Tools should be cleaned immediately after use with Nitroverdünnung.