



M.1630.AV

Adhesion - no problem

With extremely low water absorption of less than 4 % and optimum adhesion to nearly all substrates, this water-based resin is one of a kind. In corrosion protection applications, M.1630.AV gives absolute unique properties, especially regarding adhesion and water resistance.

Unique properties

- Very high water and weather resistance
- Water absorption of the film is <4 %
- Very good adhesion for almost all substrates
- Even after days of water submersion testing, the film stays transparent
- Good resistance to yellowing
- Suitable for interior and exterior applications

Environment-friendly

- Can be formulated with less than 3 % solvent
- Contains neither VOC nor APEO

Typical applications

- Anticorrosive primers with exceptional good early water resistance
- Plastic primers with a wide adhesion profile and very good results at the constant climate test
- Use in primers for difficult substrates such as non-ferrous metals, PA, glass, etc.

Technical properties

Resin base	Acrylate / VeoVa
Solids content	44–46 %
Density	approx. 1 g/ml at 20 °C
Stabilizer system	anionic
Viscosity	300–1000 mPa·s at 20 °C
pH-value	7.0–8.0
Particle size	100 nm
MFFT	20 °C
Frost resistance	no
Water absorption	<4 %
Tensile strength at break	4 N/mm ²
Elongation at break	300 %
Glass transition temp. (Tg)	19 °C

Starting formulation 1630-KG03-08

White anti-corrosion primer based on M.1630.AV

Raw materials	Parts by weight
Demineralised water	110.0
Drewplus TS-4385	1.0
Nuosperse W-22	8.0
Dowanol DPM	20.0
M.1630.AV	250.0
Kronos 2190	90.0
Finntalc Mo5SL	48.0
Heucophos ZPO	70.0
Zinc white Harzsiegel	28.0
Aerosil R 972	2.0
<i>Pearl mill till grain fineness <15 µm</i>	
CHE Coat CI L8NF	2.0
CHE Coat CI L8AF	2.0
M.1630.AV	364.0
Tafigel PUR 41	5.0
<i>With 25 % ammonia, adjust to pH 8.5</i>	
	1000.0

Support

Telephone +41 41 469 92 13

VANORA – where the chemistry for innovative dispersions is alive.

With over 60 years of experience in the formulation and development of resins for the paint and coating industries, the team brings spiffy, high performance products and «by design» solutions to the market. The dynamic and smart VANORA team understands the market needs and is extremely strong in implementing creative solutions.

The VANORA goal: Develop an innovation every year that sets a new trend in the resin market.

VANORA belongs to nolax AG, headquartered in Switzerland.