



## DXV.4140

### *Water-resistant deep penetrating primer and paint in one*

VANORA succeeded in developing a resin for deep penetrating primers without additional wetting agent. The special, small particle size leads to an extraordinary penetration and solidification of the loose substrate. The dried coating cannot be dissolved by water again.

Depending on the formulation, DXV.4140 can be used as a resin in deep penetrating primer or in paints. It is even possible to have both in one system.

#### Unique properties

- Deep penetration of loose substrates
- Excellent adhesion on gypsum
- High water-resistance
- No re-emulsifiability
- Hydrophobic
- Can easily get over-coated
- No whitening
- Good resistance to yellowing
- Suitable for interior and exterior applications

#### Environment-friendly

- Can be formulated without solvent
- Contains neither VOC nor APEO

#### Typical applications

- Deep penetrating primer
- Adhesive agent for loose substrates
- Primer and paint in one
- Glazes and mordants
- Primer on gypsum

#### Technical properties

Resin base	Acrylate / VeoVa
Solids content	approx. 45 %
Density	approx. 1 g/ml at 20 °C
Stabilizer system	anionic
Viscosity	approx. 500 mPa·s at 20 °C
pH-value	approx. 7.5
Particle size	approx. 40 nm
MFFT	approx. 10 °C
Frost resistance	no
Glass transition temp. (Tg)	12 °C

**Starting formulation 4140-F01-02**

Exterior paint based on DXV.4140

Raw materials	Parts by weight
Water	282.0
Acticide MV	1.0
Metolat 394	3.0
Walocel XM 20000 PV	0.5
Ammonia 25%	0.5
Kronos 2190	180.0
Agitan 700	2.0
Dowanol DPnB	7.0
Finntalc Mo5SL	50.0
Omyacarb 2-AV	50.0
Omyacarb 5-AV	100.0
Tafigel PUR 41	4.0
DXV.4140	320.0
	1000.0

**Support**

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**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.