

# WATER BORNE 1K ACRYLIC DTM

No need to compromise



Notice: Trademarks indicated with ®, ™ or \* as well as the allnex name and logo are registered, unregistered or pending trademarks of Allnex IP s.à.r.l. or its directly or indirectly affiliated allnex Group companies.

Disclaimer: allnex Group companies ("allnex") decline any liability with respect to the use made by anyone of the information contained herein. The information contained herein represents allnex's best knowledge thereon without constituting any express or implied guarantee or warranty of any kind (including, but not limited to, regarding the accuracy, the completeness or relevance of the data set out herein). Nothing contained herein shall be construed as conferring any license or right under any patent or other intellectual property rights of allnex or of any third party. The information relating to the products is given for information purposes only. No guarantee or warranty is provided that the product and/or information is adapted for any specific use, performance or result and that product and/or information do not infringe any allnex and/or third party intellectual property rights. The user should perform its own tests to determine the suitability for a particular purpose. The final choice of use of a product and/or information as well as the investigation of any possible violation of intellectual property rights of allnex and/or third parties remains the sole responsibility of the user.

© 2019 allnex group. All Rights Reserved.

SETAQUA® DTM 6850 & SETAQUA 6899



**Allnex Netherlands B.V.**  
Synthesebaan 1  
4612 RB Bergen op Zoom  
the Netherlands  
T +31 164 276 406

[karl.rossman@allnex.com](mailto:karl.rossman@allnex.com)

[www.allnex.com](http://www.allnex.com)

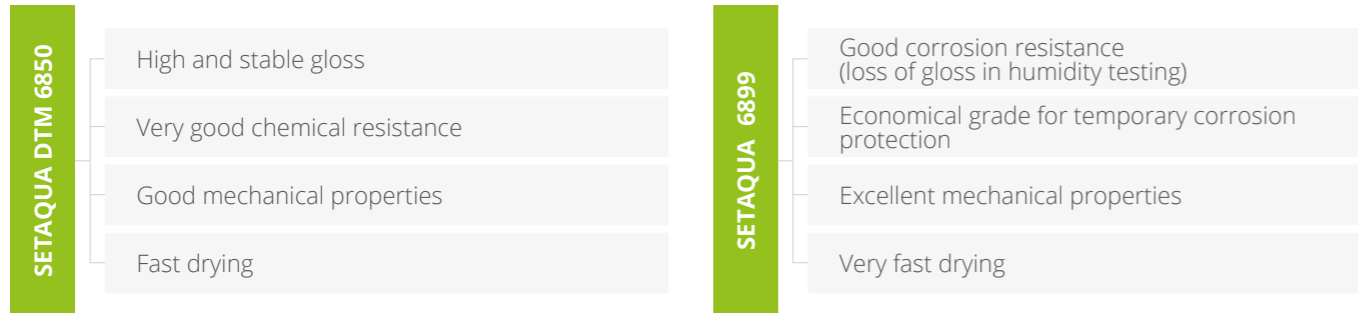
**allnex**  
The Coating Resins Company

[www.allnex.com](http://www.allnex.com)

**allnex**  
The Coating Resins Company

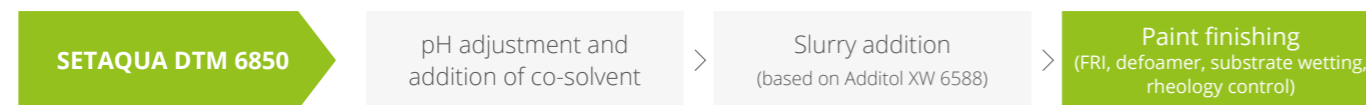
Trying to be the best in class in terms of corrosion performance with fast curing WB 1K Acrylic formulations? Keeping VOC at a minimum and having broad substrate adhesion? Do it today with **SETAQUA® DTM 6850 and SETAQUA 6899**. With the help of dispersing agent **ADDITOL® XW 6588** those

unique hydrophobic acrylic emulsions will allow you to formulate DTM paints and primers in different colour sheets achieving up to C3 corrosion protection in a moncoat system even without the need of anticorrosion pigments and adhesion promoters.

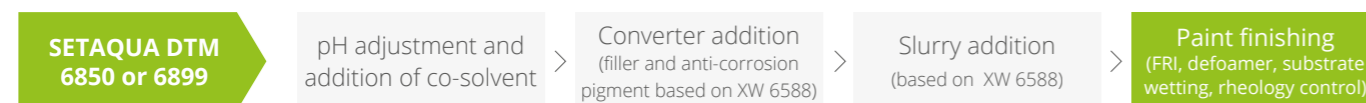


### Formulation concepts

High performance glossy DTM



High performance semi glossy DTM and shop primer



### Test results based on a formulation containing SETAQUA DTM 6850

Property / Test method	REC 19045 white glossy DFT 60µm	REC 19046 white semi glossy DFT 60µm	REC 19047 red semi glossy DFT 60µm	REC 19044 black semi glossy DFT 60µm
VOC	approx. 31 g/L	approx. 31 g/L	approx. 19 g/L	approx. 20 g/L
Gloss 60°	82 GU	38 GU	27 GU	25 GU
Gloss retention after 500 hrs. humidity chamber	80%	50%	60%	30%
Impact Test ASTM D 2794 after 3 weeks RT				
Paint side impact	70 i/p	80 i/p	80 i/p	80 i/p
Reverse side impact	40 i/p	30 i/p	70 i/p	50 i/p
Chemical spot test (VLN 154) after 3 weeks RT				
- Acetone	> 30 min	> 30 min	25 min	25 min
- Xylene	> 30 min	> 30 min	25 min	25 min

\*Starting point formulations are available through the contact details below  
 Water immersion test: 48 hrs. @ 23°C after 3 weeks RT: no blistering, no rust, 100% gloss retention  
 Pendulum Hardness (König) (DIN EN ISO 1522) 60µm DFT on Gardobond OC: 1 wk RT : 30s; 2 wk RT: 40s; 3 wk RT: 45s

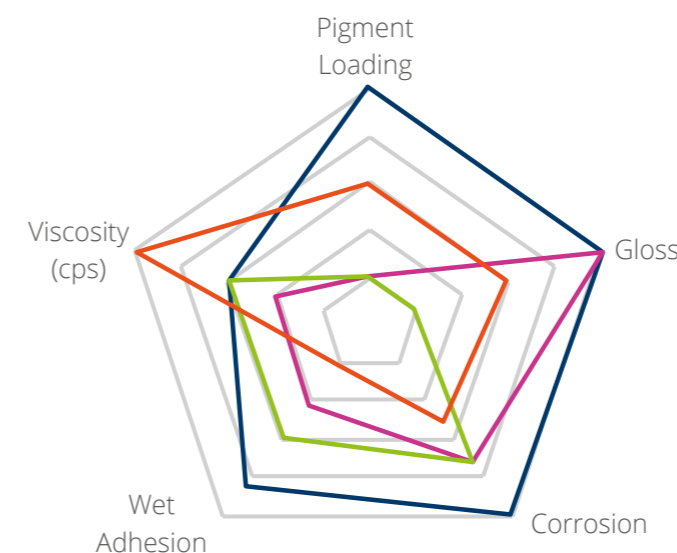
Delamination after 320hrs salt spray test and 24 hrs of regeneration (DIN EN ISO 9227), 3 weeks drying at 23degC/55%rh, Gardobond OC DFT 55-60 µm



### ADDITOL® XW 6588 key features:

- Strong interaction with anti-corrosive pigments
- High pigment loading & low viscosity
- High gloss in mono layer systems
- Active prevention of corrosion
- Highly compatible in WB 1K

ADDITOL XW 6588 dispersant was developed in conjunction with our new DTM resins to provide a synergistic system that optimizes performance. It can be used for inorganic, organic and corrosion inhibitive pigments across broad gloss levels. The incorporation of ADDITOL XW 6588 allows high pigment loading while keeping the viscosity of the system low. The use of this pigment will improve the corrosion resistance and wet adhesion of your paints.



- ADDITOL XW 6588
- Dispersant B
- Dispersant D
- Dispersant A

