

CRILAT 4815

PURE ACRYLIC DISPERSION WITH
NANO-PARTICLES SIZE DISTRUBUTION,
FREE FROM SOLVENTS,
APEO AND FORMALDEHYDE





SUPPLY SPECIFICATION:

SOLID CONTENT	%	31 ± 1
BROOKFIELD VISCOSITY	mPa*s (RVT 20 rpm, spindle 1)	< 100
рН	1-14	7.0 ± 1.0
MFFT	°C	5
PARTICLE SIZE DISTRIBUTION	μm	0.025 0.040
VOC CONTENT	%	< 0.2
DENSITY AT 23 °C	Kg/dm ³	1.03
Tg	°C	15





Applications:

Crilat 4815 is used as primer for wall surface in general: on old and new renders (well cured), before applying the top coat, over old paints even slightly chalky.

Crilat 4815 is a nanosized dispersion. Once applied on the surface, penetrates more deeply than the traditional water based primers. It works as regulator of the substrate absorption and as adhesion catalyst of the finishing coat.

Crilat 4815 ensure the consolidation of the dust present on the wall surface to treat. Thanks to the high penetration of Crilat 4815 into surface, it slows down the effloresces formation.





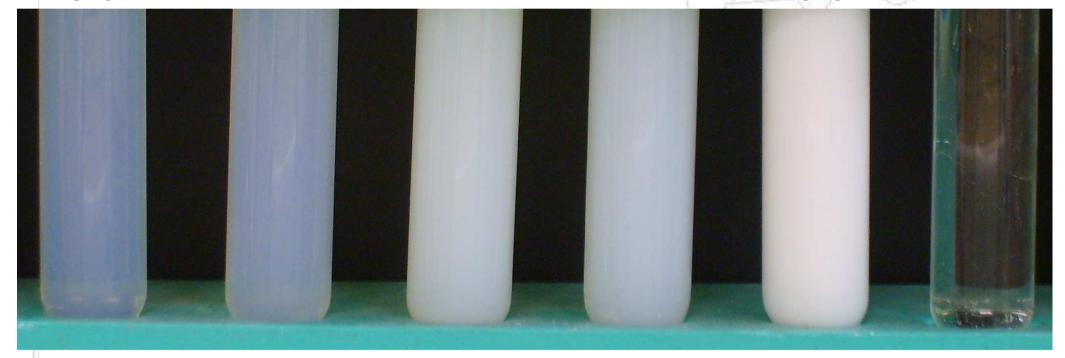
Transparency is an index of the fine particles

Crilat 4815

Competitor 1 Competitor 2 Competitor 3

Crilat 4818

Vinavil 8020 SN







Properties

- Solvent free
- High penetration capacity
- Consolidation effect
- Adhesion promoter
- No colour change of the surface where applied
- Barrier effect to the efflorescence





Primer based on Crilat 4815 at 15% of solid

W. %

. Water 49.50

Defoamer 0.30

. Crilat 4815 50.00

Biocide 0.20

Total 100.00





Mineral substrate

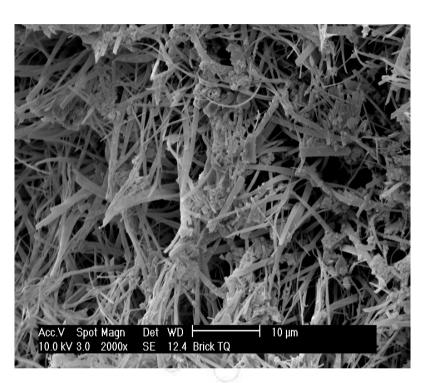


Fig. 5: No treated

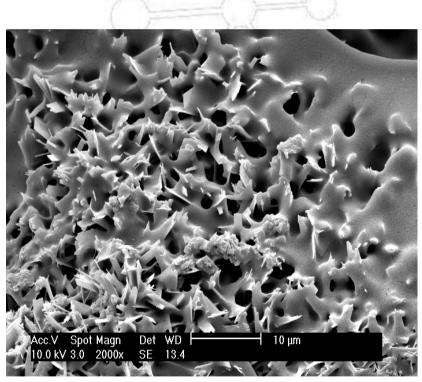


Fig. 6: The presence of the polymer does not close the porosity of the substrate.





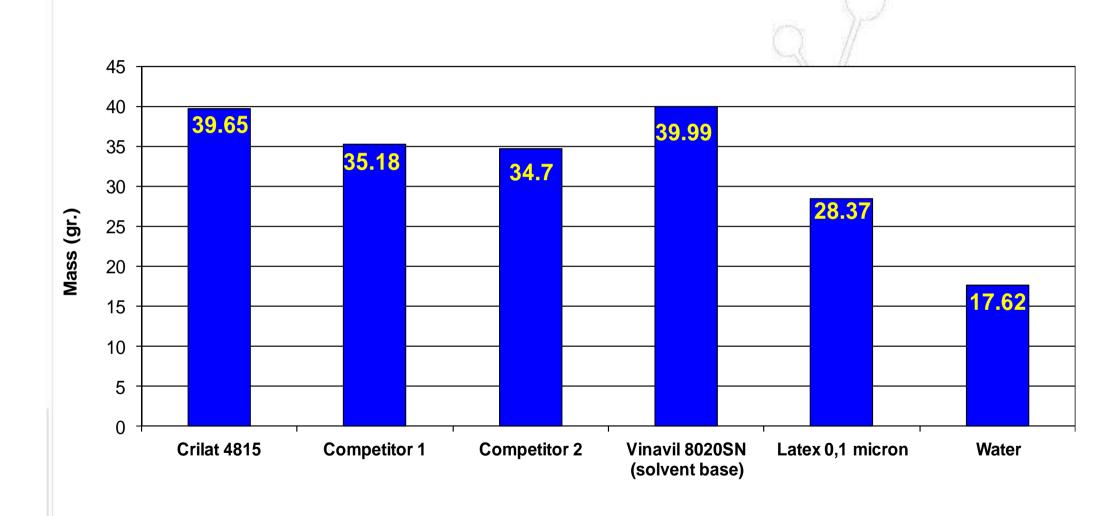
Quartz consolidation with primer







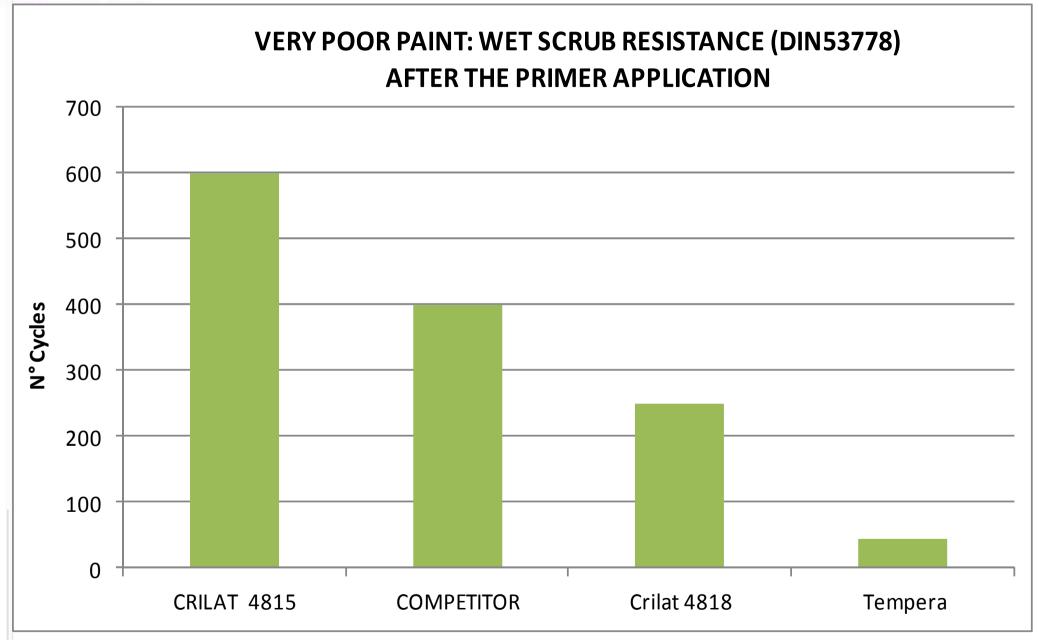
Quartz consolidation with primer



17/01/2017



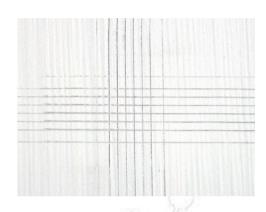




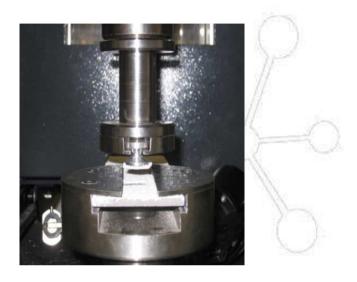




Adhesion



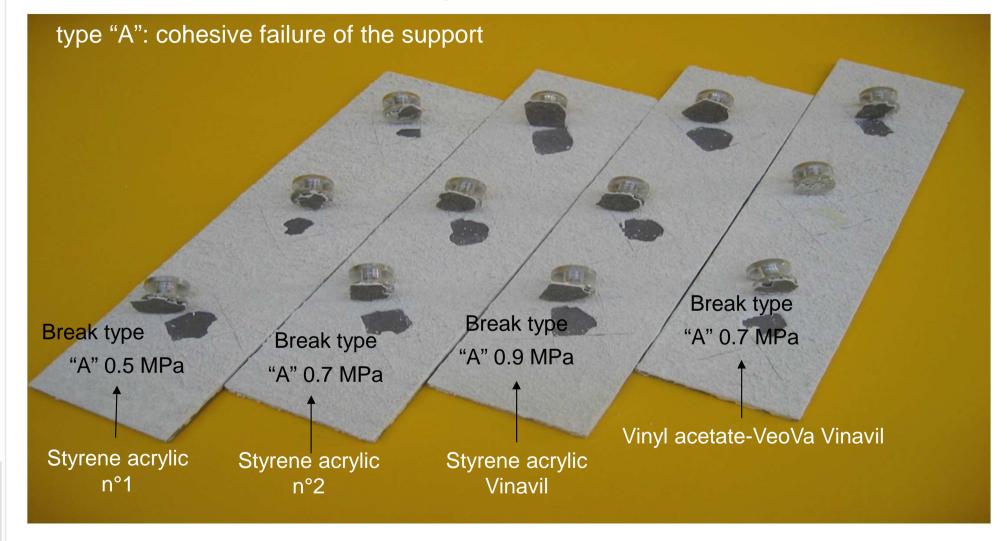
Cross cut test according to: UNI EN ISO 2409



Pull-off test according to: UNI EN ISO 4624



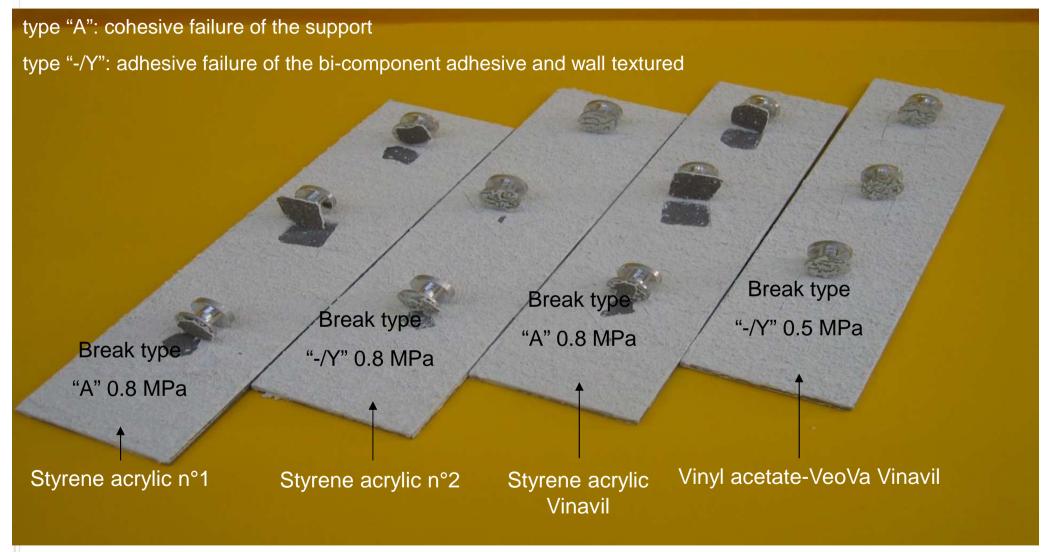
- **W** VINAVIL
 - Primer, based on Vinavil ST/A 0.1 μm at 7% solid
 - Wall textured coating based on different binders

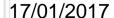




W VINAVIL

- Primer, based on Vinavil Nanolatex 7% solid;
- Wall textured coating based on different binders



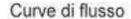


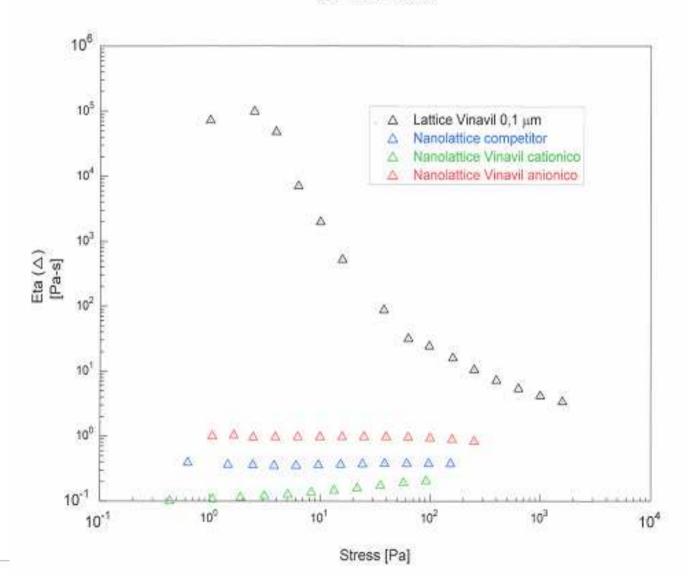




RHEOLOGY

Crilat 4815 has a Newtonian behaviour that favours the penetration.

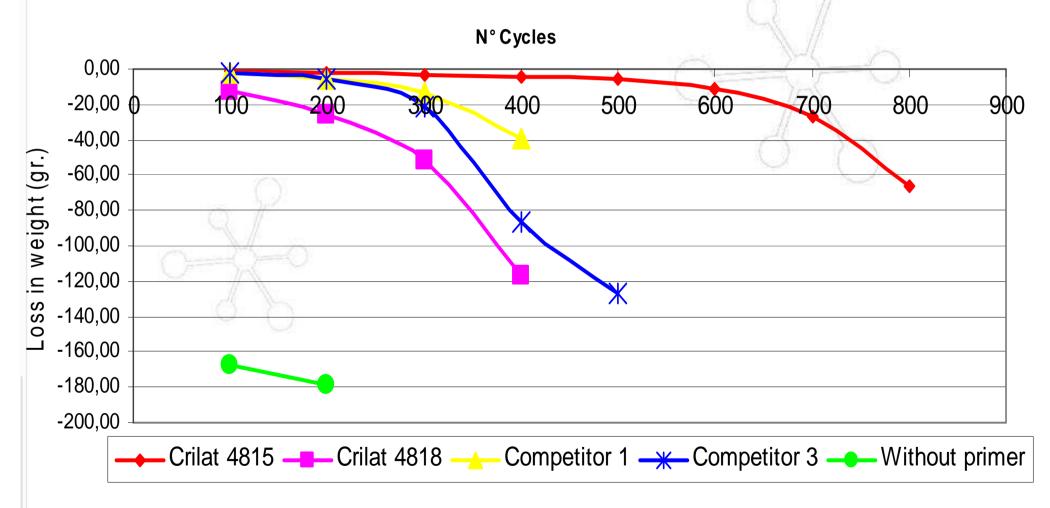






W VINAVIL

Abrasion resistance of render after primer application



17/01/2017





Conclusion

- CRILAT 4815 is suitable to prepare primer/base coat with very good consolidating properties, excellent adhesion and high penetration capacity.
- Crilat 4815 is compatible with potassium silicate, cement, gypsum and the major raw materials used in paint formulation.
- Crilat 4815 works as regulator for the absorption of the substrate allowing a good uniformity in the application of the final coat.

