

Replacement of salicylic acid in CeTePox[®] 1396 H

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CeTePox[®]

We are part of **ADITYA BIRLA CHEMICALS**



Hardener properties

Name Hardener CeTePox®	CeTePox® 1396 H	CeTePox® 1396-01 H
HAEW [g/eq]	96	96
Refractive Index @ 20°C	1,5546	1,5545
Density [g/cm³] @ 23°C	1,060	1,042
Amine Value [mg KOH/g]	315	326
c/p-Viscosity [mPas] @ 25°C	112	100
Gardner colour	0,2	0,2

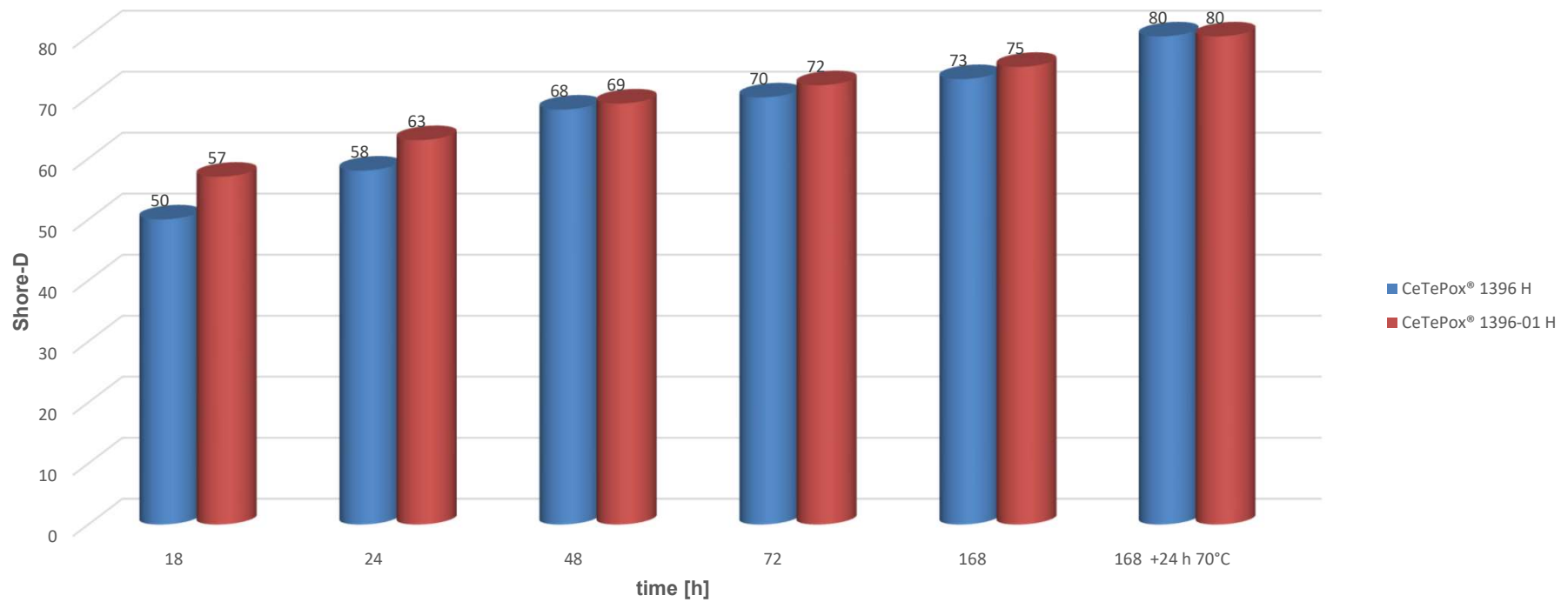
System properties

Name Resin CeTePox®	CeTePox® 245 R	CeTePox® 245 R
Name Hardener CeTePox®	CeTePox® 1396 H	CeTePox® 1396-01 H
Mixing Ratio Resin:Hardener (parts by weight)	100:50	100:50
Viscosity of Mixture [mPas] @ 25°C	357	310
Potlife 100g, 23°C → 40°C [min]	23	35
Recommended Minimum Curing Temperature [°C]	8	8
Shore-D-Hardness, after 1d curing at 23°C	63	68
Surface Quality, curing @ r.t. [0 = excellent to 5 = reduced]	1	1
Resistance to water-spotting after 1d @ r.t. [0 = no change to 5 = bad]	1	1-2
Glass Transition Temperature, appr. [°C]	65	67



Shore-D Hardness @ 23°C

with CeTePox[®] 245 R



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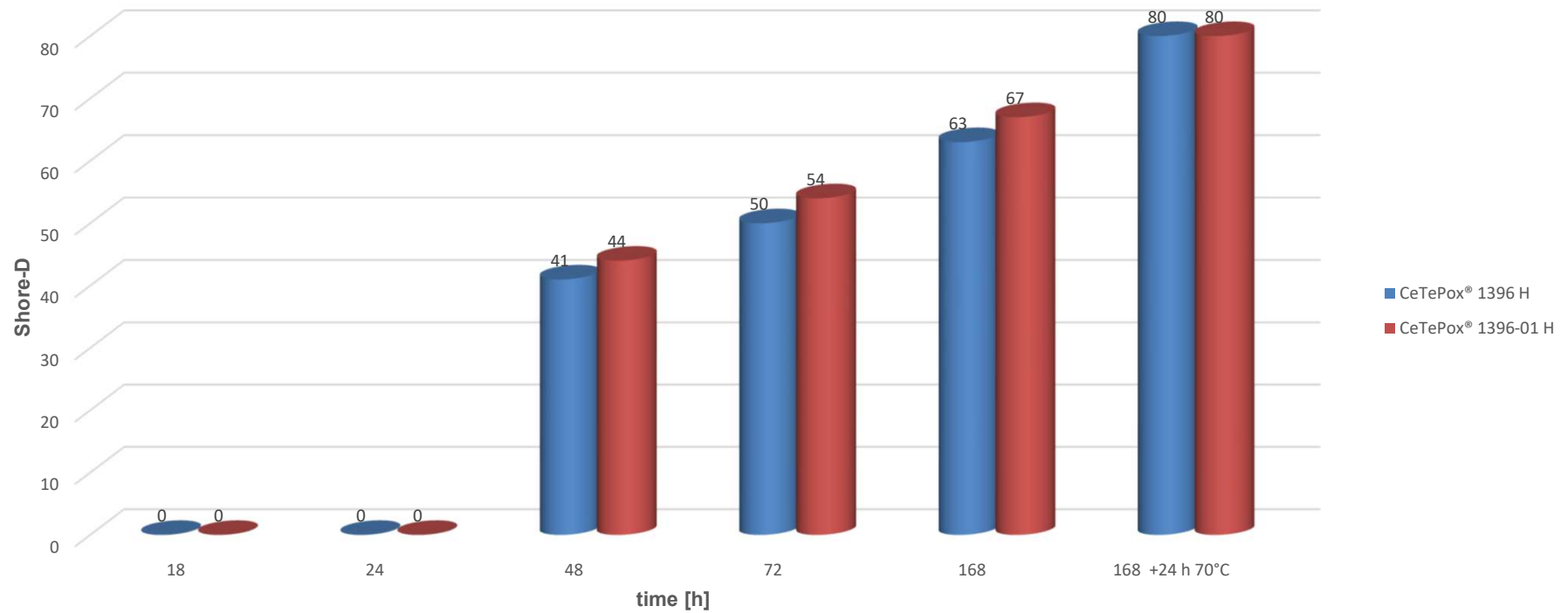
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Shore-D Hardness @ 8°C

with CeTePox[®] 245 R



Appearance of 400 μm film @ 23°C cured with CeTePox[®] 245 R



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Appearance of 400 μm film @ 8°C cured with CeTePox[®] 245 R



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 **epotec[®]**
Innovating epoxies for a better world



Appearance of self-levelling guide formulation @ 23°C cured with RR 1.04.021



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Appearance of self-levelling guide formulation @ 8°C cured with RR 1.04.021



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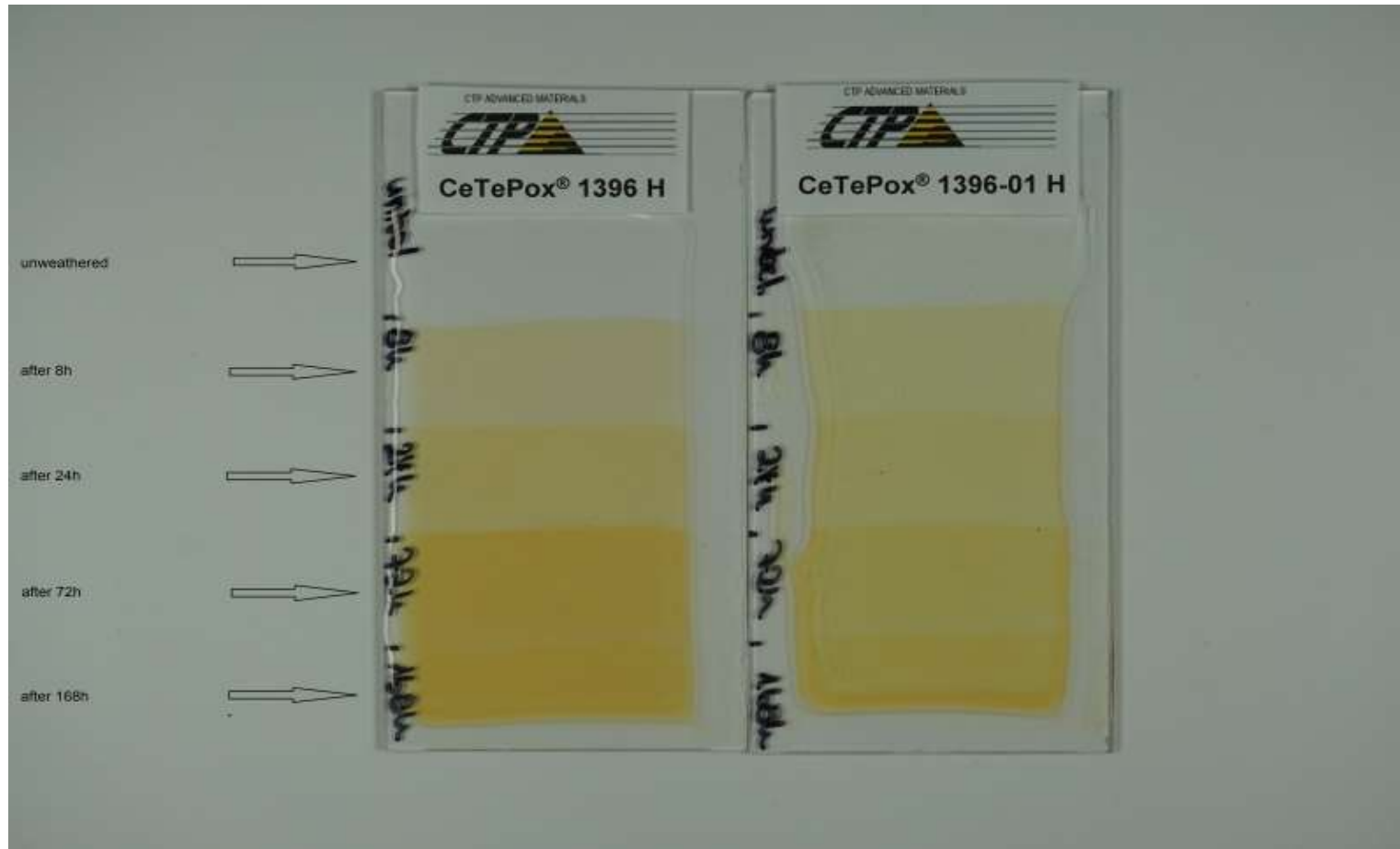


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QUV of 400 μm r.t.-film @ 168 h/60°C



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Summary

The pure binder system and the self levelling guide formulation cured with CeTePox[®] 1396-01 H

- ★ has a longer potlife by better curing at r.t. and 8°C
- ★ has a similar surface quality @ r.t. and 8°C
- ★ has the same resistance to water-spotting
- ★ has better low yellowing properties

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**Thanks for your
attention!**

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