Replacement of salicylic acid in CeTePox® 1594 H

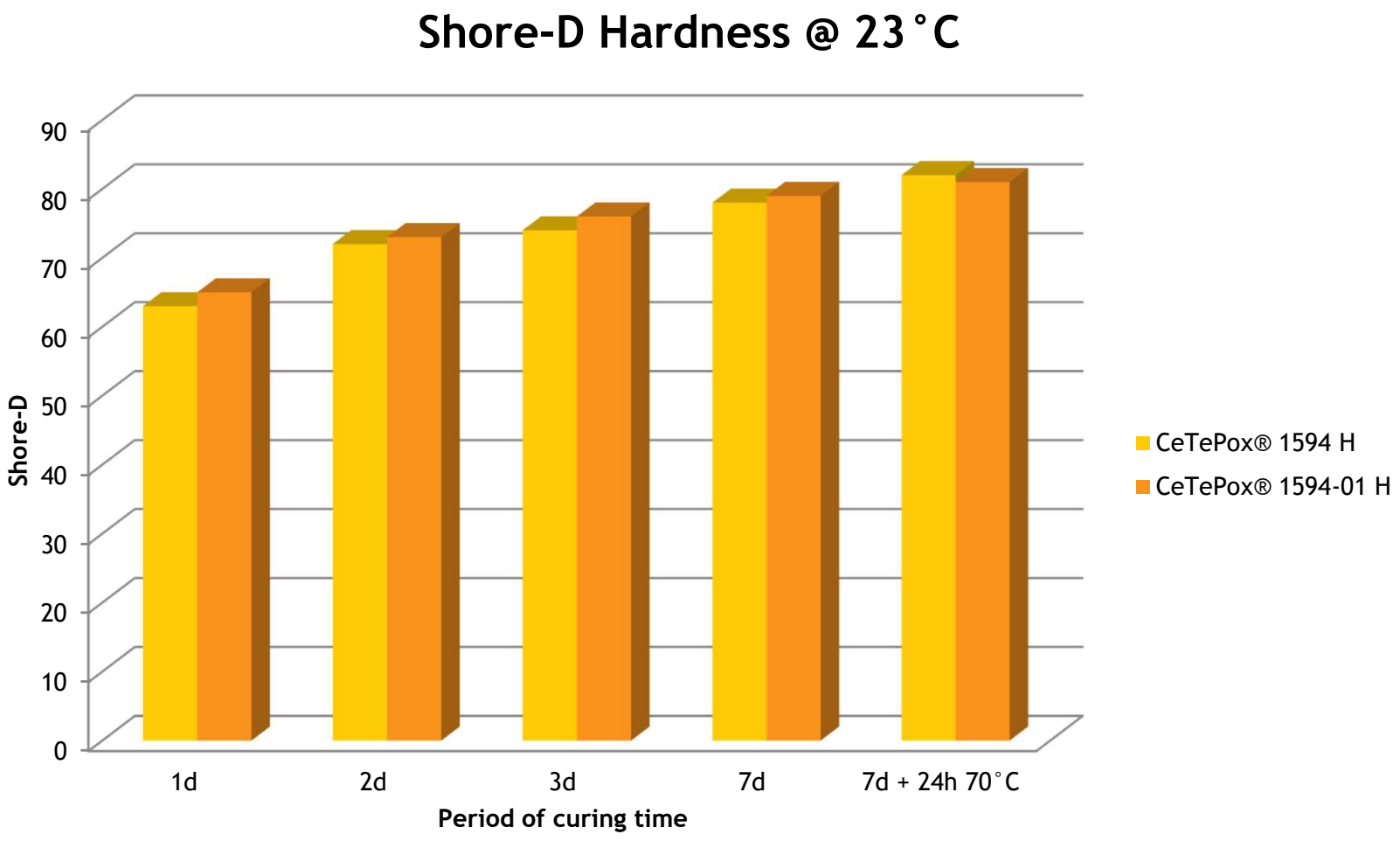
Hardener-Properties

Name Hardener *CeTePox*®	*CeTePox*® 1594 H	*CeTePox*® 1594-01 H
HAEW [g/eq]	94	94
Refractive Index @ 20°C	1,5465	1,5468
Density [g/cm³ @ 23°C]	1,050	1,042
Amine Value [mg KOH / g]	311	338
Viscosity [mPa*s @ 25°C]	183	125
Gardner Colour	0,1	0,1

System-Properties

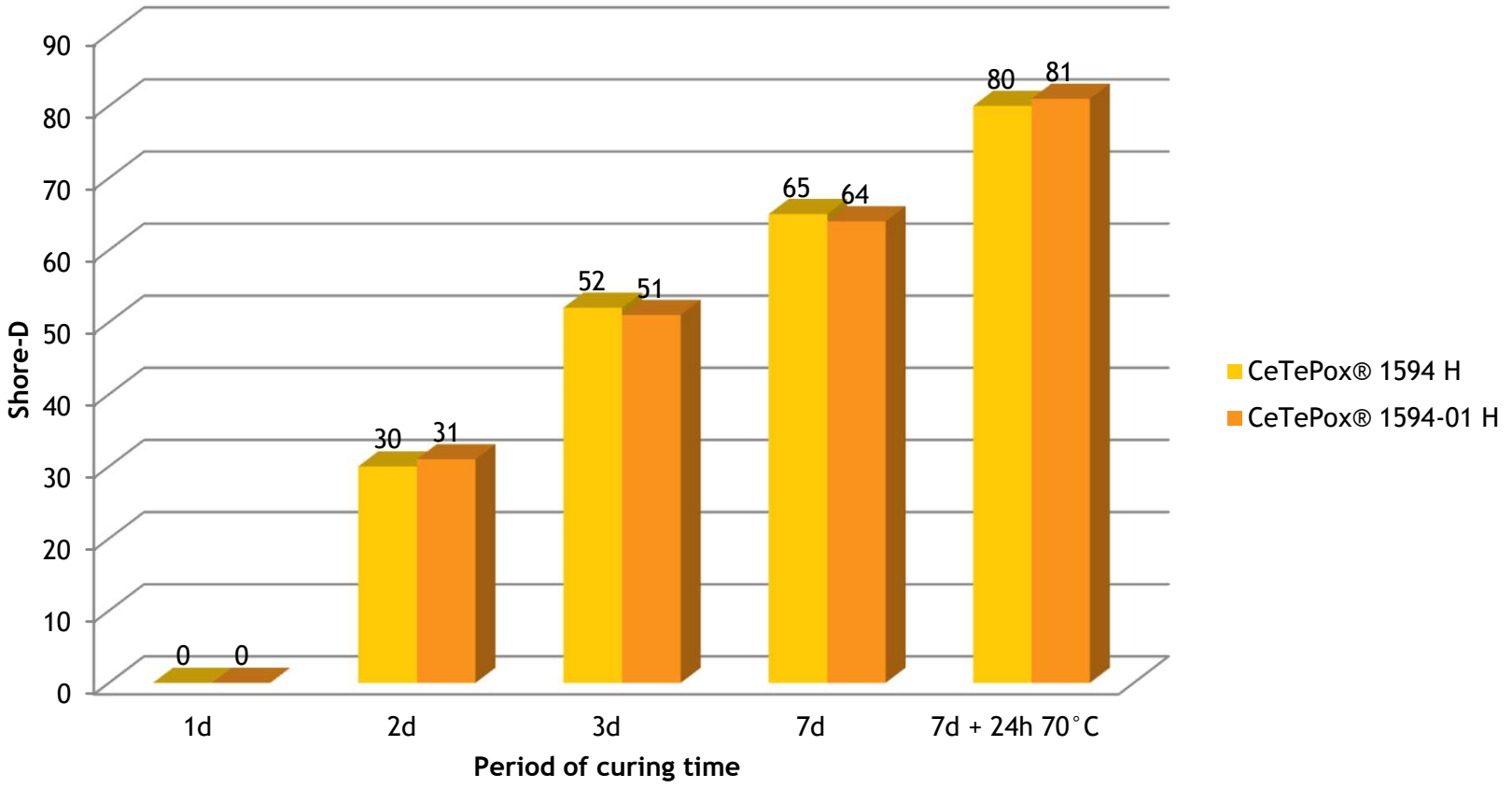
Name Resin *CeTePox*®	*CeTePox*® 245 R	*CeTePox*® 245 R
Name Hardener *CeTePox*®	*CeTePox*® 1594 H	*CeTePox*® 1594-01 H
Mixing Ratio Resin : Hardener (parts by weight)	100 / 50	100 / 50
Viscosity of Mixture [mPa*s bei 25 °C]	431	338
Pot-Life 100 g, 23 °C → 40 °C [min]	21	31
Recommended Minimum Curing Temperature [°C]	8	8
Shore-D-Hardness, after 1 d curing @ 23°C	63	65
Surface Quality, curing @ r.t. [0 = excellent to 5 = reduced]	3	3
Resistance to water-spotting, after 1 d @ r.t. [0 = no change to 5 = bad]	1	1-2
Glass Transition Temperature, appr. [°C]	75	70

As individual as you are.



As individual as you are.

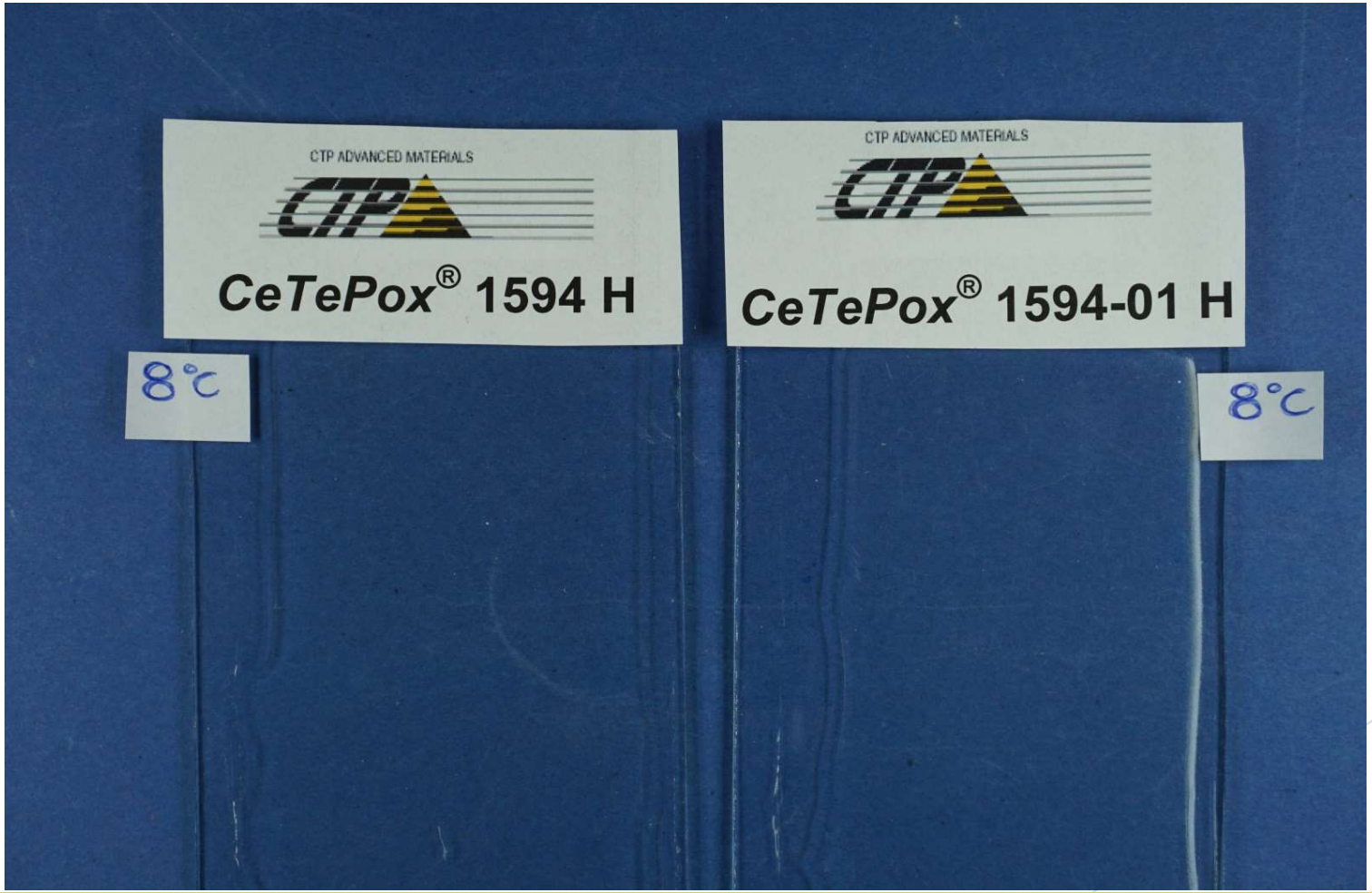
Shore-D Hardness @ 8 °C



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

Appearance of 400 µm film @ 8°C

cured with *CeTePox*® 245 R



Appearance of 800 µm film self-levelling guide formulation @ 23°C cured with *CeTePox*® 245 R

Appearance of 800 µm film self-levelling guide formulation @ 8°C cured with *CeTePox*® 245 R

Appearance of 400 µm film after QUV 168h @ 60°C

Summary

The pure binder system and the self levelling guide formulation cured with CeTePox® 1594-01 H

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

Thanks for your attention!