

**Dyckerhoff Well Cement HT Basic Blend**

Standard notation: API Spec 10A Class K Grade HSR

All shipments from **01.01.2021** to **01.04.2021****Chemical composition:**

	Typical data	Specification API Spec 10A
Loss on ignition (incl. moisture), %	1,2	NR
SiO ₂ , %	42	NR
CaO, %	46	NR
Al ₂ O ₃ , %	3,3	NR
Fe ₂ O ₃ , %	4,3	NR
$\frac{CaO}{SiO_2}$ mole ratio	1,17	≤ 1,25

Physical properties:

(43% BWOC mix water, neat)

Specific Surface Area (Blaine), m ² /kg	3192	NR
Absolute grain density, g/cm ³	3,03	NR
Slurry density, kg/l	1,88	NR
Crystalline Silica (XRD), % (BWOC-%)	26,8 (37)	NR
Other constituents, %	No	must be specified acc. to API Spec 10A, B.2.2
Free Fluid, %	1,4	≤ 5,9
Compressive strength 8h/60°C, psi	1260	≥ 500

Thickening Time (TT), Neat

API Sch. 5 (Depth: 8.000ft, BHCT: 52°C)

Consistency after 30 min, Bc	16	≤ 30
Time to 30 Bc, min	70	≥ 30
Time to 50 Bc, min	87	
Thickening time (Time to 100 Bc), min	107	≥ 70 / ≤ 140

Average results of conformity testing in accordance with API Spec 10A, 25th Ed.(2019) and Addendum 1 issued on November 2019