

Welding Consumables Annual Re- Approval Certificate

Date Office

18 August 2023 Changwon

This certificate is issued to

ESAB Seah Corporation

The undermentioned welding consumables supplied by the company named above have been approved for a further year ending **08/05/2024** with the grading shown.

Dual Shield 7100S / CO2 Coreweld 111RB / CO2 Coreweld 111RB / CO2 S DXVudO, BF, 2YS, H10 Coreweld 111 Ultra / CO2 S DXVudO, BF, 3YS, H10 Coreweld Ultra / 75%Ar+25%CO2 S DXVudO, BF, 3YS, H10 DXVudO, BF, 3YS, H10 Coreweld Ultra / 75%Ar+25%CO2 S DXVudO, BF, 3YS, H10 Coreweld Ultra / CO2 S DXVudO, BF, 3YS, H10 Coreweld Ultra / CO2 S DXVudO, BF, 3YS, H10 DXVudO, BF, 3YS, H15 DXVudO, BF, 3YS, H15 DXVudO, BF, 3YS, H15 DXVudO, BF, 3YM, NR DXVudO, BF, 3YM, NR DXVudO, BF, 3YM, NR DXVudO, BF, 3VM, NR DXVudO, BF, 3VM, S, CHE DXVudO, BF, 3VM, S, CHE DXVudO, BF, 3OLL, S, CHE DXVudO, BF, 3OLL, S, CHE DXVudO, BF, 5S/CMn, S, CHE Shield-Bright 30BL / CO2 BDXVudO, BF, 5S/CMn, S, CHE Shield-Bright 316L / CO2 BDXVudO, BF, 35CMn, S, CHE Shield-Bright 316L / CO2 BDXVudO, BF, 35CMn, S, CHE Shield-Bright 316L / CO2 BDXVudO, BF, 5S/CMn, S, CHE Shield-Bright 316L / CO2 BDXVudO, BF, 5S/CMn, S, CHE Shield-Bright 316L / CO2 BDXVudO, BF, 5S/CMn, S, CHE Shield-Bright 316L / CO2 BDXVudO, BF, 5S/CMn, S, CHE Shield-Bright 316L / CO2 BDXVudO, BF, 5S/CMn, M, CHE BDXVuO, BF, 5YAOS, H5 BDXVuO, BF, 5YAOS,	Trade Name	Section	Grading
Coreweld 111 Ultra / CO2 Coreweld Ultra / 75%Ar+25%CO2 Dual Shield II 70 Ultra / 75%Ar+25%CO2 5 DXVudO, BF, 3YS, H10 Coreweld 70 / 75%Ar+25%CO2 5 DXVudO, BF, 3YS, H10 Coreweld Ultra / CO2 5 DXVudO, BF, 3YS, H10 Coreweld Ultra / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7100 Ultra / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7100 Ultra / CO2 5 DXVudO, BF, 3YS, H10 Coreweld 80-K2 / CO2 5 D, BF, 5Y40S, H5 Dual Shield 70 Ultra Plus / 90%Ar + 10%CO2 5 D, BF, 5Y40S, H5 Dual Shield 7-5 / 75%Ar + 25%CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7-5 / 75%Ar + 25%CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7-5 / T5%Ar + 25%CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7-5 / CO2 5 D, BF, 3YS, H15 DXVudO, BF, 3YM, NR DXVudO, BF, 304L, S, CHE DXVudO, BF, 30AL, S, CHE Shield-Bright 30BL / CO2 8 DXVudO, BF, 30AL, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, M, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, M, CHE UNOX 309L (SMP-E309L) 8 DXVudO, BF, 316L, M, CHE UNOX 309L (SMP-E309L) 8 DXVudO, BF, 316L, M, CHE UNOX 309L (SMP-E316L) 9 DXVudO, BF, 316L, M, CHE UNOX 516L (SMP-E316L) 9 DXVudO, BF, 316L, M, CHE UNOX 516L (SMP-E316L) 9 DXVudO, BF, 316L, M, CHE UNOX 516L (SMP-E316L) 9 DXVudO, BF, 316	Dual Shield 7100S / CO2	5	DXVudO, BF, 2YS, H10
Coreweld Ultra / 75%Ar+25%CO2 5 DXVudO, BF, 3YS, H15 Dual Shield II 70 Ultra / 75%Ar+25%CO2 5 DXVudO, BF, 3YS, H10 Coreweld 70 / 75%Ar+25%CO2 5 DXVudO, BF, 3YS, H10 Coreweld Ultra / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7100 Ultra / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7100 Ultra / 75%Ar + 25%CO2 5 DXVudO, BF, 3YS, H10 Coreweld 80-K2 / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 790 WAr + 10%CO2 5 DXVudO, BF, 3YS, H10 Dual Shield R-70 / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield R-70 / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield R-70 / CO2 5 D, BF, 3YM, H1 2 X Coreweld 1111B / CO2 5 D, BF, 3YM, H15 2 X Coreweld 111Ultra / CO2 5 D, BF, 3YM, H1 2 X Coreweld 111Ultra / CO2 5 D, BF, 3YM, NR Shield-Bright 308L / CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 308L / CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 309L / 75%Ar + 25%CO2 8 DXVudO, BF, SS/CMn, S, CHE	Coreweld 111RB / CO2	5	DXVudO, BF, 2YS, H10
Dual Shield □ 70 Ultra / 75%Ar+25%CO2 5 DXVudO, BF, 3YS, H10 Coreweld Ultra / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7100 Ultra / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7100 Ultra / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7100 Ultra / 75%Ar + 25%CO2 5 DXVudO, BF, 3YS, H10 Coreweld 80-K2 / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 70 Ultra Plus / 90%Ar + 10%CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7-5 / 75%Ar + 25%CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7-70 / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7-70 / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield R-70 / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield R-70 / CO2 5 D, BF, 3YM, H15 2 X Coreweld 111RB / CO2 5 D, BF, 3YM, H15 2 X Coreweld 111RB / CO2 5 D, BF, 3YM, NR Shield-Bright 308L / CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 308L / 75%Ar + 25%CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 308L / CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 30BL / 75%Ar + 25%CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE INOX 308L (SMP-E308L) 8 DXVudO, BF, 316L, S, CHE INOX 308L (SMP-E308L) 8 DXVudO, BF, 316L, S, CHE INOX 309L (SMP-E308L) 8 DXVudO, BF, 316L, M, CHE INOX 309L (SMP-E308L) 8 DXVudO, BF, 316L, M, CHE Dual Shield □ 81-K2 / CO2 5 DXVudO, BF, 316L, M, CHE Dual Shield □ 75 / CO2 5 DXVudO, BF, 316L, M, CHE Dual Shield □ 75 / CO2 5 DXVudO, BF, 316L, M, CHE Dual Shield □ 75 / CO2	Coreweld 111 Ultra / CO2	5	D, BF, 3YS, H10
Coreweld 70 / 75%Ar+25%CO2 5 DXVuO, BF, 3YS, H10 Coreweld Ultra / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7100 Ultra / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7100 Ultra / 75%Ar + 25%CO2 5 DXVudO, BF, 3YS, H10 Coreweld 80-K2 / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 70 Ultra Plus / 90%Ar + 10%CO2 5 DXVuO, BF, 3YS, H10 Dual Shield 7-5 / 75%Ar + 25%CO2 5 DXVuO, BF, 3YS, H10 Dual Shield 7-7 75%Ar + 25%CO2 5 DXVuO, BF, 3YS, H10 Dual Shield 8-70 / CO2 5 DXVuO, BF, 3YS, H10 Dual Shield 8-70 / CO2 5 D, BF, 3YS, H15 2 X Coreweld 111RB / CO2 5 D, BF, 3YM, H15 2 X Coreweld 80-K2 / CO2 5 D, BF, 3YM, H15 2 X Coreweld 111 Ultra / CO2 5 D, BF, 3YM, NR Shield-Bright 308L / CO2 8 DXVuO, BF, 304L, S, CHE Shield-Bright 308L / 75%Ar + 25%CO2 8 DXVuO, BF, 304L, S, CHE Shield-Bright 309L / CO2 8 DXVuO, BF, SS/CMn, S, CHE Shield-Bright 309L / CO2 8 DXVuO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVuO, BF, SS/CMn, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVuO, BF, SS/CMn, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVuO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVuO, BF, SS/CMn, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVuO, BF, SS/CMn, S, CHE Shield-Bright 316L / T5%Ar + 25%CO2 8 DXVuO, BF, SS/CMn, S, CHE Shield-Bright 316L / T5%Ar + 25%CO2 8 DXVuO, BF, SS/CMn, S, CHE Shield-Bright 316L / T5%Ar + 25%CO2 8 DXVuO, BF, SS/CMn, S, CHE Shield-Bright 316L / T5%Ar + 25%CO2 8 DXVuO, BF, SS/CMn, S, CHE Shield-Bright 316L / T5%Ar + 25%CO2 8 DXVuO, BF, SS/CMn, M, CHE INOX 308L (SMP-E308L) 8 DXVuO, BF, SS/CMn, M, CHE INOX 309L (SMP-E309L) 8 DXVuO, BF, SS/CMn, M, CHE INOX 316L (SMP-E316L) 8 DXVuO, BF, SS/CMn, M, CHE Dual Shield T-5 / CO2 5 DXVuO, BF, 316L, M, CHE Dual Shield T-5 / CO2 5 DXVuO, BF, 316L, M, CHE	Coreweld Ultra / 75%Ar+25%CO2	5	DXVudO, BF, 3YS, H15
Coreweld Ultra / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7100 Ultra / CO2 5 DXVudO, BF, 3YS, H10 Dual Shield 7100 Ultra / 75%Ar + 25%CO2 5 DXVudO, BF, 3YS, H10 Coreweld 80-K2 / CO2 5 D, BF, 5Y40S, H5 Dual Shield 70 Ultra Plus / 90%Ar + 10%CO2 5 DXVudO, BF, 3YS, H10 Dual Shield T-5 / 75%Ar + 25%CO2 5 DXVudO, BF, 3YS, H10 Dual Shield R-70 / CO2 5 D, BF, 3YS, H15 2 X Coreweld 111 RB / CO2 5 D, BF, 3YM, H15 2 X Coreweld 80-K2 / CO2 5 D, BF, 3YM, H15 2 X Coreweld 111 Ultra / CO2 5 D, BF, 3YM, NR Shield-Bright 308L / CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 308L / 75%Ar + 25%CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 309L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 309L / 75%Ar + 25%CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 309L / 75%Ar + 25%CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8	Dual Shield Π 70 Ultra / 75%Ar+25%CO2	5	DXVudO, BF, 3YS, H10
Dual Shield 7100 Ultra / CO2 Dual Shield 7100 Ultra / 75%Ar + 25%CO2 Dual Shield 7100 Ultra / 75%Ar + 25%CO2 Dual Shield 7100 Ultra / 75%Ar + 25%CO2 Dual Shield 700 Ultra Plus / 90%Ar + 10%CO2 Dual Shield 70 Ultra Plus / 90%Ar + 10%CO2 Dual Shield 70 Ultra Plus / 90%Ar + 10%CO2 Dual Shield 7-5 / 75%Ar + 25%CO2 Dual Shield R-70 / CO2 S DXVudO, BF, 3YS, H10 Dual Shield R-70 / CO2 DyudO, BF, 3YS, H10 Dual Shield R-70 / CO2 DyudO, BF, 3YS, H10 DyudO, BF, 3YS, H10 DyudO, BF, 3YS, H10 DyudO, BF, 3YM, H15 DyudO, BF, 3YM, H15 DyudO, BF, 3YM, H15 DyudO, BF, 3YM, NR DyudO, BF, 3YM, NR Shield-Bright 308L / CO2 S D, BF, 3YM, NR DyudO, BF, 304L, S, CHE Shield-Bright 308L / 75%Ar + 25%CO2 S DXVudO, BF, 304L, S, CHE Shield-Bright 309L / CO2 Shield-Bright 309L / CO2 Shield-Bright 316L / CO2 Shield-Bright 316L / CO2 Shield-Bright 316L / CO2 Shield-Bright 316L / CO2 S DXVudO, BF, 316L, S, CHE Shield-Bright 316L / CO2 S DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 Shield-Bright 316L X-tra / CO2 S DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 S DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 S DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 S DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 S DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 S DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 S DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 S DXVudO, BF, 316L, M, CHE DUAL Shield II 81-K2 / CO2 S DXVudO, BF, 316L, M, CHE Dual Shield II 81-K2 / CO2 S DXVudO, BF, 316L, M, CHE Dual Shield II 81-K2 / CO2 S DXVudO, BF, 316L, M, CHE Dual Shield II 81-K2 / CO2 S DXVudO, BF, 316L, M, CHE Dual Shield II 81-K2 / CO2	Coreweld 70 / 75%Ar+25%CO2	5	DXVuO, BF, 3YS, H10
Dual Shield 7100 Ultra / 75%Ar + 25%CO2 5 DXVudO, BF, 3YS, H10 Coreweld 80-K2 / CO2 5 D, BF, 5Y40S, H5 Dual Shield 70 Ultra Plus / 90%Ar + 10%CO2 5 DXVudO, BF, 3YS, H10 Dual Shield T-5 / 75%Ar + 25%CO2 5 DXVudO, BF, 3YS, H10 Dual Shield R-70 / CO2 5 D, BF, 3YS, H15 2 X Coreweld 111RB / CO2 5 D, BF, 3YM, H15 2 X Coreweld 80-K2 / CO2 5 D, BF, 5Y40M, H5 2 X Coreweld 111 Ultra / CO2 5 D, BF, 3YM, NR Shield-Bright 308L / CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 308L / T5%Ar + 25%CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 309L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 309L / T5%Ar + 25%CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / T5%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / T5%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / T6%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / T6%Ar +	Coreweld Ultra / CO2	5	DXVudO, BF, 3YS, H10
Coreweld 80-K2 / CO2 Dual Shield 70 Ultra Plus / 90%Ar + 10%CO2 Dual Shield 70 Ultra Plus / 90%Ar + 10%CO2 Dual Shield T-5 / 75%Ar + 25%CO2 Dual Shield R-70 / CO2 Dual Shield R-70 / C	Dual Shield 7100 Ultra / CO2	5	DXVudO, BF, 3YS, H10
Dual Shield 70 Ultra Plus / 90%Ar + 10%CO2 5 DXVuO, BF, 3YS, H10 Dual Shield T-5 / 75%Ar + 25%CO2 5 DXVudO, BF, 3YS, H10 Dual Shield R-70 / CO2 5 D, BF, 3YS, H15 2 X Coreweld 111RB / CO2 5 D, BF, 3YM, H15 2 X Coreweld 80-K2 / CO2 5 D, BF, 3YM, H5 2 X Coreweld 111 Ultra / CO2 5 D, BF, 3YM, NR Shield-Bright 308L / CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 308L / 75%Ar + 25%CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 309L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 309L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 309L / 75%Ar + 25%CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / CO2 8 D	Dual Shield 7100 Ultra / 75%Ar + 25%CO2	5	DXVudO, BF, 3YS, H10
Dual Shield T-5 / 75%Ar + 25%CO2 5 DXVudO, BF, 3YS, H10 Dual Shield R-70 / CO2 5 D, BF, 3YS, H15 2 X Coreweld 111RB / CO2 5 D, BF, 3YM, H15 2 X Coreweld 80-K2 / CO2 5 D, BF, 5Y40M, H5 2 X Coreweld 111 Ultra / CO2 5 D, BF, 3YM, NR Shield-Bright 308L / CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 308L / 75%Ar + 25%CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 309L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 309L / 75%Ar + 25%CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / T5%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 8 D, BF, 316L, S, CHE INOX 308L (SMP-E308L) 8 D, BF, 316L, S, CHE INOX 309L (SMP-E309L) 8 DXVuO, BF, SS/CMn, m, CHE INOX 316L (SMP-E316L) 8 DXVuO, BF, 5Y40S, H5 SMP-T316L / Ar 8 DXVuO, BF, 316L, m,	Coreweld 80-K2 / CO2	5	D, BF, 5Y40S, H5
Dual Shield R-70 / CO2 5 D, BF, 3YS, H15 2 X Coreweld 111RB / CO2 5 D, BF, 3YM, H15 2 X Coreweld 80-K2 / CO2 5 D, BF, 5Y40M, H5 2 X Coreweld 111 Ultra / CO2 5 D, BF, 3YM, NR Shield-Bright 308L / CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 308L X-tra / CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 309L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 8 DXVudO, BF, 316L, S, CHE INOX 308L (SMP-E308L) 8 D, BF, 304L, m, CHE INOX 309L (SMP-E309L) 8 DXVuO, BF, SS/CMn, m, CHE INOX 316L (SMP-E316L) 8 DXVuO, BF, 5Y40S, H5 Dual Shield II 81-K2 / CO2 5 DXVuO, BF, 316L, m, CHE Dual Shield T-5 / CO2 5 DXVuO, BF, 3YS, H5	Dual Shield 70 Ultra Plus / 90%Ar + 10%CO2	5	DXVuO, BF, 3YS, H10
2 X Coreweld 111RB / CO2 2 X Coreweld 80-K2 / CO2 5 D, BF, 3YM, H15 2 X Coreweld 80-K2 / CO2 5 D, BF, 5Y40M, H5 2 X Coreweld 111 Ultra / CO2 5 D, BF, 3YM, NR Shield-Bright 308L / CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 308L X-tra / CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 309L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 309L / 75%Ar + 25%CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 8 DXVudO, BF, 316L, S, CHE INOX 308L (SMP-E308L) 8 D, BF, 304L, m, CHE INOX 309L (SMP-E316L) 8 DXVuO, BF, SS/CMn, m, CHE INOX 316L (SMP-E316L) 8 DXVuO, BF, 516L, m, CHE Dual Shield II 81-K2 / CO2 5 DXVuO, BF, 5740S, H5 SMP-T316L / Ar 8 DXVuO, BF, 316L, m, CHE Dual Shield T-5 / CO2 5 DXVuO, BF, 316L, m, CHE	Dual Shield T-5 / 75%Ar + 25%CO2	5	DXVudO, BF, 3YS, H10
2 X Coreweld 80-K2 / CO2 2 X Coreweld 111 Ultra / CO2 5 D, BF, 5Y40M, H5 2 X Coreweld 111 Ultra / CO2 5 D, BF, 3YM, NR Shield-Bright 308L / CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 308L X-tra / CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 309L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 309L / 75%Ar + 25%CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 8 DXVudO, BF, 316L, S, CHE INOX 308L (SMP-E308L) 8 D, BF, 304L, m, CHE INOX 309L (SMP-E309L) 8 DXVuO, BF, SS/CMn, m, CHE INOX 316L (SMP-E316L) 8 DXVuO, BF, 516L, m, CHE Dual Shield □ 81-K2 / CO2 5 DXVuO, BF, 316L, m, CHE Dual Shield □ 81-K2 / CO2 5 DXVuO, BF, 316L, m, CHE Dual Shield □ 5 / CO2 5 DXVuO, BF, 316L, m, CHE Dual Shield □ 5 / CO2 5 DXVuO, BF, 316L, m, CHE	Dual Shield R-70 / CO2	5	D, BF, 3YS, H15
2 X Coreweld 111 Ultra / CO2 5 D, BF, 3YM, NR Shield-Bright 308L / CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 308L X-tra / CO2 8 D, BF, 304L, S, CHE Shield-Bright 309L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 309L / 75%Ar + 25%CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 8 D, BF, 316L, S, CHE INOX 308L (SMP-E308L) 8 D, BF, 304L, m, CHE INOX 309L (SMP-E309L) 8 DXVuO, BF, SS/CMn, m, CHE INOX 316L (SMP-E316L) 8 DXVuO, BF, 316L, m, CHE Dual Shield II 81-K2 / CO2 5 DXVuO, BF, 5Y40S, H5 SMP-T316L / Ar 8 DXVuO, BF, 316L, m, CHE Dual Shield T-5 / CO2 5 DXVuO, BF, 3YS, H5	2 X Coreweld 111RB / CO2	5	D, BF, 3YM, H15
Shield-Bright 308L / CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 308L / 75%Ar + 25%CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 309L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 309L / 75%Ar + 25%CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 8 D, BF, 316L, S, CHE INOX 308L (SMP-E308L) 8 D, BF, 304L, m, CHE INOX 309L (SMP-E309L) 8 DXVuO, BF, SS/CMn, m, CHE INOX 316L (SMP-E316L) 8 DXVuO, BF, 316L, m, CHE Dual Shield II 81-K2 / CO2 5 DXVuO, BF, 5Y40S, H5 SMP-T316L / Ar 8 DXVuO, BF, 316L, m, CHE Dual Shield T-5 / CO2 5 DXVuO, BF, 3YS, H5	2 X Coreweld 80-K2 / CO2	5	D, BF, 5Y40M, H5
Shield-Bright 308L / 75%Ar + 25%CO2 8 DXVudO, BF, 304L, S, CHE Shield-Bright 308L X-tra / CO2 8 D, BF, 304L, S, CHE Shield-Bright 309L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 309L / 75%Ar + 25%CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 8 DXVudO, BF, 316L, S, CHE INOX 308L (SMP-E308L) 8 D, BF, 304L, m, CHE INOX 309L (SMP-E309L) 8 DXVuO, BF, SS/CMn, m, CHE INOX 316L (SMP-E316L) 8 DXVuO, BF, 316L, m, CHE Dual Shield II 81-K2 / CO2 5 DXVuO, BF, 5Y40S, H5 SMP-T316L / Ar 8 DXVuO, BF, 316L, m, CHE Dual Shield T-5 / CO2 5 DXVuO, BF, 3YS, H5	2 X Coreweld 111 Ultra / CO2	5	D, BF, 3YM, NR
Shield-Bright 308L X-tra / CO2 8 D, BF, 304L, S, CHE Shield-Bright 309L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 309L / 75%Ar + 25%CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 8 DXVudO, BF, 316L, S, CHE INOX 308L (SMP-E308L) 8 D, BF, 304L, m, CHE INOX 309L (SMP-E309L) 8 DXVuO, BF, SS/CMn, m, CHE INOX 316L (SMP-E316L) 8 DXVuO, BF, 316L, m, CHE Dual Shield II 81-K2 / CO2 5 DXVuO, BF, 5Y40S, H5 SMP-T316L / Ar 8 DXVuO, BF, 316L, m, CHE Dual Shield T-5 / CO2 5 DXVuO, BF, 3YS, H5	Shield-Bright 308L / CO2	8	DXVudO, BF, 304L, S, CHE
Shield-Bright 309L / CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 309L / 75%Ar + 25%CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 8 DXVudO, BF, 316L, S, CHE INOX 308L (SMP-E308L) 8 D, BF, 304L, m, CHE INOX 309L (SMP-E309L) 8 DXVuO, BF, SS/CMn, m, CHE INOX 316L (SMP-E316L) 8 DXVuO, BF, 316L, m, CHE Dual Shield II 81-K2 / CO2 5 DXVuO, BF, 5Y40S, H5 SMP-T316L / Ar 8 DXVuO, BF, 316L, m, CHE Dual Shield T-5 / CO2 5 DXVuO, BF, 316L, m, CHE Dual Shield T-5 / CO2 5 DXVuO, BF, 3YS, H5	Shield-Bright 308L / 75%Ar + 25%CO2	8	DXVudO, BF, 304L, S, CHE
Shield-Bright 309L / 75%Ar + 25%CO2 8 DXVudO, BF, SS/CMn, S, CHE Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 8 D, BF, 316L, S, CHE INOX 308L (SMP-E308L) 8 D, BF, 304L, m, CHE INOX 309L (SMP-E309L) 8 DXVuO, BF, SS/CMn, m, CHE INOX 316L (SMP-E316L) 8 DXVuO, BF, 316L, m, CHE Dual Shield II 81-K2 / CO2 5 DXVuO, BF, 5Y40S, H5 SMP-T316L / Ar 8 DXVuO, BF, 316L, m, CHE Dual Shield T-5 / CO2 5 DXVuO, BF, 3YS, H5	Shield-Bright 308L X-tra / CO2	8	D, BF, 304L, S, CHE
Shield-Bright 316L / CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 8 D, BF, 316L, S, CHE INOX 308L (SMP-E308L) 8 D, BF, 304L, m, CHE INOX 309L (SMP-E309L) 8 DXVuO, BF, SS/CMn, m, CHE INOX 316L (SMP-E316L) 8 DXVuO, BF, 316L, m, CHE Dual Shield Π 81-K2 / CO2 5 DXVuO, BF, 5Y40S, H5 SMP-T316L / Ar 8 DXVuO, BF, 316L, m, CHE Dual Shield T-5 / CO2 5 DXVuO, BF, 3YS, H5	Shield-Bright 309L / CO2	8	DXVudO, BF, SS/CMn, S, CHE
Shield-Bright 316L / 75%Ar + 25%CO2 8 DXVudO, BF, 316L, S, CHE Shield-Bright 316L X-tra / CO2 8 D, BF, 316L, S, CHE INOX 308L (SMP-E308L) 8 D, BF, 304L, m, CHE INOX 309L (SMP-E309L) 8 DXVuO, BF, SS/CMn, m, CHE INOX 316L (SMP-E316L) 8 DXVuO, BF, 316L, m, CHE Dual Shield □ 81-K2 / CO2 5 DXVuO, BF, 5Y40S, H5 SMP-T316L / Ar 8 DXVuO, BF, 316L, m, CHE Dual Shield □ 7-5 / CO2 5 DXVuO, BF, 3YS, H5	Shield-Bright 309L / 75%Ar + 25%CO2	8	DXVudO, BF, SS/CMn, S, CHE
Shield-Bright 316L X-tra / CO2 8 D, BF, 316L, S, CHE INOX 308L (SMP-E308L) 8 D, BF, 304L, m, CHE INOX 309L (SMP-E309L) 8 DXVuO, BF, SS/CMn, m, CHE INOX 316L (SMP-E316L) 8 DXVuO, BF, 316L, m, CHE Dual Shield □ 81-K2 / CO2 5 DXVuO, BF, 5Y40S, H5 SMP-T316L / Ar 8 DXVuO, BF, 316L, m, CHE Dual Shield □ 7-5 / CO2 5 DXVuO, BF, 3YS, H5	Shield-Bright 316L / CO2	8	DXVudO, BF, 316L, S, CHE
INOX 308L (SMP-E308L) 8 D, BF, 304L, m, CHE INOX 309L (SMP-E309L) 8 DXVuO, BF, SS/CMn, m, CHE INOX 316L (SMP-E316L) 8 DXVuO, BF, 316L, m, CHE Dual Shield II 81-K2 / CO2 5 DXVuO, BF, 5Y40S, H5 SMP-T316L / Ar 8 DXVuO, BF, 316L, m, CHE Dual Shield T-5 / CO2 5 DXVuO, BF, 3YS, H5	Shield-Bright 316L / 75%Ar + 25%CO2	8	DXVudO, BF, 316L, S, CHE
INOX 309L (SMP-E309L) 8 DXVuO, BF, SS/CMn, m, CHE INOX 316L (SMP-E316L) 8 DXVuO, BF, 316L, m, CHE Dual Shield II 81-K2 / CO2 5 DXVuO, BF, 5Y40S, H5 SMP-T316L / Ar 8 DXVuO, BF, 316L, m, CHE Dual Shield T-5 / CO2 5 DXVuO, BF, 3YS, H5	Shield-Bright 316L X-tra / CO2	8	D, BF, 316L, S, CHE
INOX 316L (SMP-E316L) 8 DXVuO, BF, 316L, m, CHE Dual Shield □ 81-K2 / CO2 5 DXVuO, BF, 5Y40S, H5 SMP-T316L / Ar 8 DXVuO, BF, 316L, m, CHE Dual Shield T-5 / CO2 5 DXVudO, BF, 3YS, H5	INOX 308L (SMP-E308L)	8	D, BF, 304L, m, CHE
Dual Shield	INOX 309L (SMP-E309L)	8	DXVuO, BF, SS/CMn, m, CHE
SMP-T316L / Ar 8 DXVuO, BF, 316L, m, CHE Dual Shield T-5 / CO2 5 DXVudO, BF, 3YS, H5	INOX 316L (SMP-E316L)	8	DXVuO, BF, 316L, m, CHE
Dual Shield T-5 / CO2 5 DXVudO, BF, 3YS, H5	Dual Shield Π 81-K2 / CO2	5	DXVuO, BF, 5Y40S, H5
	SMP-T316L / Ar	8	DXVuO, BF, 316L, m, CHE
Dual Shield 7100SR / CO2	Dual Shield T-5 / CO2	5	DXVudO, BF, 3YS, H5
DAVIDO 7 1005K 7 CO2	Dual Shield 7100SR / CO2	5	DXVudO, BF, 4YS, H5
Dual Shield II 71-HI / CO2 5 DXVudO, BF, 4YS, H5	Dual Shield II 71-HI / CO2	5	DXVudO, BF, 4YS, H5



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Welding Consumables Annual Re- Approval Certificate

Date Office

18 August 2023 Changwon

This certificate is issued to **ESAB SeAH CORPORATION**

The undermentioned welding consumables supplied by the company named above have been approved for a further year ending **08/05/2024** with the grading shown.

Trade Name	Section	Grading
Dual Shield II 81-K2LH / CO2	5	DXVudO, BF, 5Y40S, H5
Dual Shield II 101-TC / CO2	5	DXVudO, BF, 5Y50S, H5
Dual Shield 8100SR / CO2	5	DXVudO, BF, 4Y40S, H5
Dual Shield II 81-K2LT / CO2	5	DXVudO, BF, 5Y40S, H5
Dual Shield 80EG / CO2	5	DX, BF, 3YS, H5
Coreweld 90-K2/ CO2	5	D, BF, 5Y50S, H5
Coreweld 90-K2/ CO2	5	D, BF, 5Y50M, H5
Dual Shield 7100SRM / 75%Ar + 25%CO2	5	DXVudO, BF, 5Y40S, H5
Dual Shield Prime 81-K2 / CO2	5	DXVudO, BF, 5Y40S, H5
SMP-S308L / OK Flux 10.93	8	D, B, 304L, M, CRY
SMP-S316L / OK Flux 10.93	8	D, B, 316L, M, CRY
Dual Shield 7100 / CO2	5	DXVudO, BF, 2YS, H10
Shield-Bright 2209 / CO2	8	DXVudO, BF, S31803, S, CHE, 25
Shield-Bright 2209 / 75% Ar + 25% CO2	8	DXVudO, BF, S31803, S, CHE, 20
Dual Shield II 81-HS / CO2	5	DXVudO, BF, 5Y46S, H5
Dual Shield II 81-OS / CO2	5	DXVudO, BF, 5Y46S, H5
Dual Shield II 71-SH / CO2	5	DXVudO, BF, 4Y40S, H5
Dual Shield Prime 81Ni1 H4 / CO2	5	DXVudO, BF, 5Y46S, H5
Dual Shield Prime 81Ni1M H4 / 75%Ar+25% CO2	5	DXVudO, BF, 5Y46S, H5
Cryo-Shield 308L / CO2	8	DXVudO, BF, 304L, S, CRY
Cryo-Shield 316L / CO2	8	DXVudO, BF, 316L, S, CRY
Cryo-Shield 316L / 75%Ar+25% CO2	8	DXVudO, BF, 316L, S, CRY
Coreweld 70SH/ CO2	5	DX, BF, 4Y40S, H5
Dual Shield Prime 71LT H4/ CO2,	5	DXVudO, BF, 4Y40S, H5
Dual Shield Prime 71LT H4 / 75%Ar+25% CO2	5	DXVudO, BF, 4Y40S, H5
Dual Shield Prime 71 H4 / 75%Ar+25% CO2	5	DXVuO, BF, 3YS, H5
Dual Shield Prime 71 H4 / 75% Ar+25% CO2	5	D, BF, 3YM, H5
Dual Shield II 81-Ni2LH / CO2	5	DXVudO, BF, 5Y40S, H5
Cryo-Shield HMn / CO2	5	DXVuO, BF, N/A
Cryo-Shield Ni9 / CO2	5	DXVuO, BF, 9Ni
Cryo-Shield LNG / CO2		DXVuO, BF, 9Ni
Cryo-Shield 625 / CO2		DXVuO, BF, 9Ni



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Welding Consumables Annual Re- Approval Certificate Re- Approval Certificate

Date	Office	
18 August 2023	Changwon	
This certificate is issued to ESAB SeAH CORPORATION		

The undermentioned welding consumables supplied by the company named above have been approved for a further year ending 08/05/2024 with the grading shown.

Trade Name	Section	Grading	
Cryo-Shield 625 / 75%Ar+25% CO2	5	DXVuO, BF, 9Ni	
Cryo-Shield DW / CO2	5	DXVuO, BF, 9Ni	



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