

## CASE STUDY

# RAZORSTAR® FIBRE DISCS & VORTEX RAPID PREP DISCS

SAVING TIME AND MONEY IN WELD REMOVAL TO FINISHING APPLICATION



**APPLICATION:** Weld removal, blend and finish on cab rear, currently using competitor abrasive discs.

**MATERIAL:** Structural steel (S355)

**MACHINE:** Atlas Copco 125mm 8500rpm

**PRODUCTS:** Norton RazorStar® Fibre discs & Vortex Rapid Prep SCM XCRS disc

**OBJECTIVE:** Reduce process time, number of products used & cost

### STEP 1: WELD REMOVAL COMPARISON

PRODUCT	TIME WELD 1	TIME WELD 2	TIME WELD 3
Fibre Disc 60+	1m54s	Did not finish	N/A
RazorStar 36+	1m29s	1m43s	2m

### STEP 2: WELD BLEND & FINISH FOR PAINTING

	COMPETITOR	NORTON
Process 1	Flap disc P40	Vortex Rapid Prep XCRS
Process 2	Fibre disc P40	Not needed

### RESULTS:

- RazorStar® was able to remove more welds, and in less time than the competitor fibre disc.
- RazorStar® was shown to have 3 times longer life than the competitor disc.
- Unlike the process using competitor discs which took 3 steps to finish, Norton requires just 2 steps, saving time and money.

### Key Takeaways:

- Faster MRR & blending → faster process time
- RazorStar® lasts longer → up to 3x that of the competitor
- Reduced process steps → fewer consumables needed
- Better finish from RazorStar® → switch to blending quicker (NW's)
- Better cut & finish from Vortex Rapid Prep XCRS → achieve RA faster
- Less chance of damage → fewer coated abrasive steps reduces the risk
- More consistent finish → Fast, easy, repeatable results
- Less tooling required → reduces cost, complexity & downtime