

How can I significantly reduce surface profile?

Our testing reduced a 6.5 mil profile to 4.5 mils!

Procedure

1. We blasted the left two thirds of the plate (areas 1 & 2) with copper slag (used for test purposes only to reproduce the 162µm surface profile condition of the bridge).
2. We then blasted the right two thirds of the plate (areas 2 & 3) with SpeedBlast garnet - this over blasted the middle one third, which had been already blasted with copper slag.
3. The profile results for each section were then measured using X-Coarse plus Testex™ Tape.



DID YOU KNOW?

The size of the abrasive is not the only factor in providing a surface profile?

Other main contributors are Nozzle Pressure, hardness and density of abrasive and steel tensile strength of substrate.

Results

Sample Area 1:

Slag = 162µm (achieved original bridge condition)

Sample Area 2:

SpeedBlast over Slag = 125µm (a 37µm reduction)

Sample Area 3:

SpeedBlast = 87µm



NOTE: By whipping over the surface again using a pure SpeedBlast garnet, the 2/3 profile was further reduced to 112mils.

Call Blast-One today for more information on surface profile