



Date	22/02/2022		
Test Method	ISO8502-6, ISO8502-9		
Product	Corr-Ze TM 100 & 200		
Abrasive	GMA Garnet 30/60 Mesh		
Client	Blast Abrasive Supply Sdn Bhd		
Owner / Project	Internal Trials		
Supplier	CRW Consulting & Distribution		
Manufacture	Corrosion Innovations		
Test Substrate	Carbon Steel Test Panel		
Location	CRW, 4020 Strawberry Rd, Pasadena, TX 77504		
Attendance	 CRW, Jeremi Day, Gregg Taney Corrosion Innovations, Jim Knocke Blast Abrasives Supply: Aaron Williams 		

Test Result				
Inspection Criteria	Observation		Remarks	
	Requirement	Actual		
Corr-Ze TM 100				
Soluble salt content	$<20 \text{ mg/ m}^2$	Pass	Abrasive blasting using alluvial	
(by conductivity)	_	Substrate prior to	garnet increased the surface salt	
		blasting: 49 mg/ m ²	contamination from 49 mg/ m ² to 77	
ISO 8502-6 (Bresle patch		Substrate after	mg/m^2	
method)		blasting: 77 mg/ m ²		
ISO 8502-9 (water-soluble		Substrate after	After washdown with Corr-Ze TM 100	
salts by conductivity)		washdown with	(100:1) the salt contamination	
		Corr-Ze TM 100: 20	reduced from 77 mg/ m ² down to 20	
		mg/m^2	mg/m^2	
Flash Rusting Time	> 3 days	Pass	No rust back after 3 days. Small rust	
(visual)			back after 7 days – only in the pitted	
			areas.	





Corr-Ze TM 200			
Soluble salt content (by conductivity)	<20 mg/ m ²	Pass Substrate prior to blasting: 226 mg/ m² Substrate after Corr-Ze TM 200: 7 mg/ m²	After application of Corr-Ze TM 200 salt contamination reduced from 226 mg/ m2 down to 7 mg/ m ²
Rust Removal	Nil rust	Pass No rust visible on the surface	Application of Corr-Ze TM 200 completely removed all surface rust and substrate return to the original post blast condition

fi for

Conduct by: Jeremi Day

CRW

NCCER Certified Industrial Applicator

Inspector: Jeremi Day

NACE CIP L3: 13487

(for from

CRW

Witnessed by: Aaron Williams SSPC PCI L2: 96931 Blast Abrasives Supply







Abrasive Blasting Equipment, Corr-ZeTM 100



Conductivity (Lab Water): 0 μ S/ cm



Bresle Test: 3ml







Substrate Test Panel: Flash rust



Substrate Test Panel: Bresle Results 41µS/ cm, 49 mg/ m²



Dry Blasting with GMA Garnet 30/60



GMA Garnet 30/60





After Blasting Panel GMA Garnet 30/60



After Blasting Panel: Bresle Result: 64 µS/ cm, 77 mg/ m²



High Pressure Washing Pressure: 3000psi



Corr-Ze[™] 100 Wash Down Corr-Ze[™] 100 (100:1)









Corr-Ze[™] 100: After washdown



 $Corr\text{-}Ze^{TM}$ 100: Bresle Result: 17 μ S/ cm, 20 mg/ m²



Corr-Ze[™] 100: 7 days after washdown







 $Corr-Ze^{TM}$ 200 (gel)



Substrate: Medium Rust



 $Substrate: \\ Bresle Result: 188 \ \mu\text{S/ cm, 226 mg/ m}^2$







Application Corr-Ze[™] 200 (gel) WFT 20 mils



Washdown with Corr-Ze[™] 100 (100:1)



After application Corr-ZeTM 200 (gel) & washdown with Corr-ZeTM 100 Curing time: 20 minutes



After application Corr-ZeTM 200 (gel) & washdown with Corr-ZeTM 100

Bresle Result: 6 µS/ cm, 7 mg/ m²







Substrate after application of Corr-Ze[™] 200 (gel)



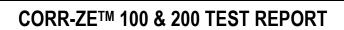
Substrate after application Corr-Ze[™] 200 (gel)





Date	28/03/2022			
Test Method	Elcometer 142 Dust Assessment in Accordance with ISO 8502-3, Surface Cleanliness Standard			
Product	Corr-Ze TM 100 & 200			
Abrasive	Black Diamond C	opper Slag (Iron Silicat	te)	
Client	Blast Abrasive Su	pply Sdn Bhd		
Owner / Project	Internal Trials			
Supplier	CRW Consulting	& Distribution		
Manufacture	Corrosion Innovat	tions		
Test Substrate	Carbon Steel Test	Panel		
Location	CRW, 4020 Straw	berry Rd, Pasadena, T	X 77504	
Attendance	 CRW, Nathan Poche Corrosion Innovations, Jim Knocke WOYT Industries LLC, Bryce Perry Blast Abrasives Supply: Aaron Williams, P. Naren 			
_		Test Result		
Inspection Criteria	Obs Requirement	ervation Actual	Remarks	
Dust Level – After Blasting				
Elcometer 142 Dust Assessment in Accordance with ISO 8502-3	Dust Quantity Rating: <2	FAIL Test 1: Dust Quantity 5 Description 4 Test 2: Dust Quantity 4 Description 4	Dust quality and size very high after blasting with Copper Slag	
Surface Standard	SSPC SP 5 (White Blast Cleaning)/ SA 3	Fail SSPC SP 6 (Commercial Blast Cleaning) SA 2	Copper Slag did not achieve White Metal, large amount of residual staining remaining on the surface.	
Dust Level – After Water	Blasting @3000psi	with 1% Corr-Ze TM 1	00	
Elcometer 142 Dust Assessment in Accordance	Dust Quantity	PASS Test 3: Dust Quantity 1	Water blasting with 1% Corr-Ze TM 100 dramatically reduces dust	







Surface Standard	SSPC SP 5 (White Blast Cleaning)/ SA 3	Fail SSPC SP 10 (Near White Blast Cleaning)/ SA 2-1/2	High pressure water blasting with 1% Corr-Ze TM 100 did not achieve White Metal, residual staining remaining on the surface.
After Application of Cor Surface Standard	SSPC SP 5 (White Blast Cleaning)/ SA 3	Pass SSPC SP 5 (White Blast Cleaning)/ SA 3	Application of Corr-Ze TM 200 removed all the staining.

Conducted by: Nathan Poche Inspector: Bryce Perry NACE CIP 3 Witnessed by: Aaron Williams SSPC PCI L2: 96931 Blast Abrasives Supply







Black Diamond Iron Silicate



Dry Blasting with Black Diamond Iron Silicate



Substrate After Blasting Top: Copper Slag Bottom: original Condition







Dust Test 1
Dust Quantity: 5
Description: 4 (particles between 0.5mm and 2.5mm in diameter)



Dust Test 2
Dust Quantity: 4
Description: 4 (particles between 0.5mm and 2.5mm in diameter)



Water Blasting @ 3000psi with 1% Corr-Ze[™] 100 Pressure: 3000psi



Panel after Water Blasting with 1% Corr-Ze[™] 100







Name: Augmwilliams Date: 3/28/2022 Date: 3/28/2022 Time: // Am Date: 3/28/2022 Time: // Am Date: 3/28/2022 Location: Stawberry RJ, Pasadena			Elcometer 142 D In Accordance \			
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Source ISO 8502-0

Elcometer 142 Dust Assessment In Accordance With ISO 8502-3

Evaluation de la quantité de poussière selon ISO 8502-3 - Staubabschätzung in Übereinstimmung mit ISO 8502-

Class	Description of dust particles
0	Particles not visible under 10x magnification
1	Particles not visible under 10x magnification. Particles visible under 10x magnification but not with normal or corrected vision (usually particles less than 50um in diameter). Particles visible under 10x magnification but not with normal or corrected vision (usually particles less than 50um in diameter).
2	Particles visible under 10x magnification of the state of
3	Particles clearly visible with normal or corrected vision (particles up to 0.5mm in diameter).
4	a distance of the same and 2.5mm in diameter.
5	Particles larger than 2.5mm in diameter. Source ISO 8502-3

Classe	Descriptori des particules de poutsière				
0	Particules invesible au microscope G x 10				
1	Particules viable au microacope G x 10 mais pas en vision normale ou corrigee				
2	de la completa de la completa de corrigio de corrigio de la completa del completa de la completa de la completa del completa de la completa del completa del completa de la completa del completa d				
3	Particules justes visibles en vialor transcende ou corrigée (particules supérieures à 0.5 mm : Particules clairament visibles en vialor normale ou corrigée (particules supérieures à 0.5 mm :	an minority			
4	Particules entre 0.5 et 2.5 mm de diamètre	Source 190 8502 1			
5	Particules supérieures à 2.5 mm de diamètre				
Ki.	Beschreibung der Staubpartikel				
0	Partikelunter 10tach Vergrößerung nicht sichtber	ers con los Disertemistrario			
- 1	a strong Neroya Renund suchtbar, aber night visuell differenzierbar (I.d.P., Pursion unte	F BO Dat all Contain allocat			
2	Desilval and Mosem Auge erkennbar (i.d.R. Partike) zwischen 50 µm und 100 µm odromiessen)				
	Partikel mit blosem Auge klas crkennbar (i.d.R. Partikel bis 0,5 mm im Durchmesser)				
3	Particel zwinchen 0,5 und 2,5 mm Durchmesser				

Notes:

Partikel größer als 2,5 mm im Durchmonser

Test 1 = 2: Surface blasted with Copper Slay

Be 4: Surface washood down @ 3000 psi

water = Correl 100



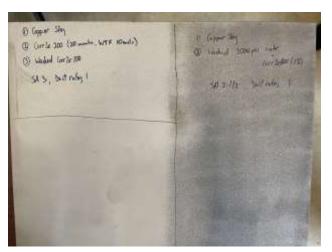


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Application of Corr-Ze $^{\text{TM}}$ 200 to bottom left corner



Test Panel After Application of Corr-Ze[™] 200 Bottom Left Corner



Comparison or Sections Corr-ZeTM100 and Corr-ZeTM 200 Applications

Top Left: Corr-Ze[™]200 Right: Corr-Ze[™]100 Bottom Left: Original Condition