NANO ADDMIX

Build Big.. Add Small...

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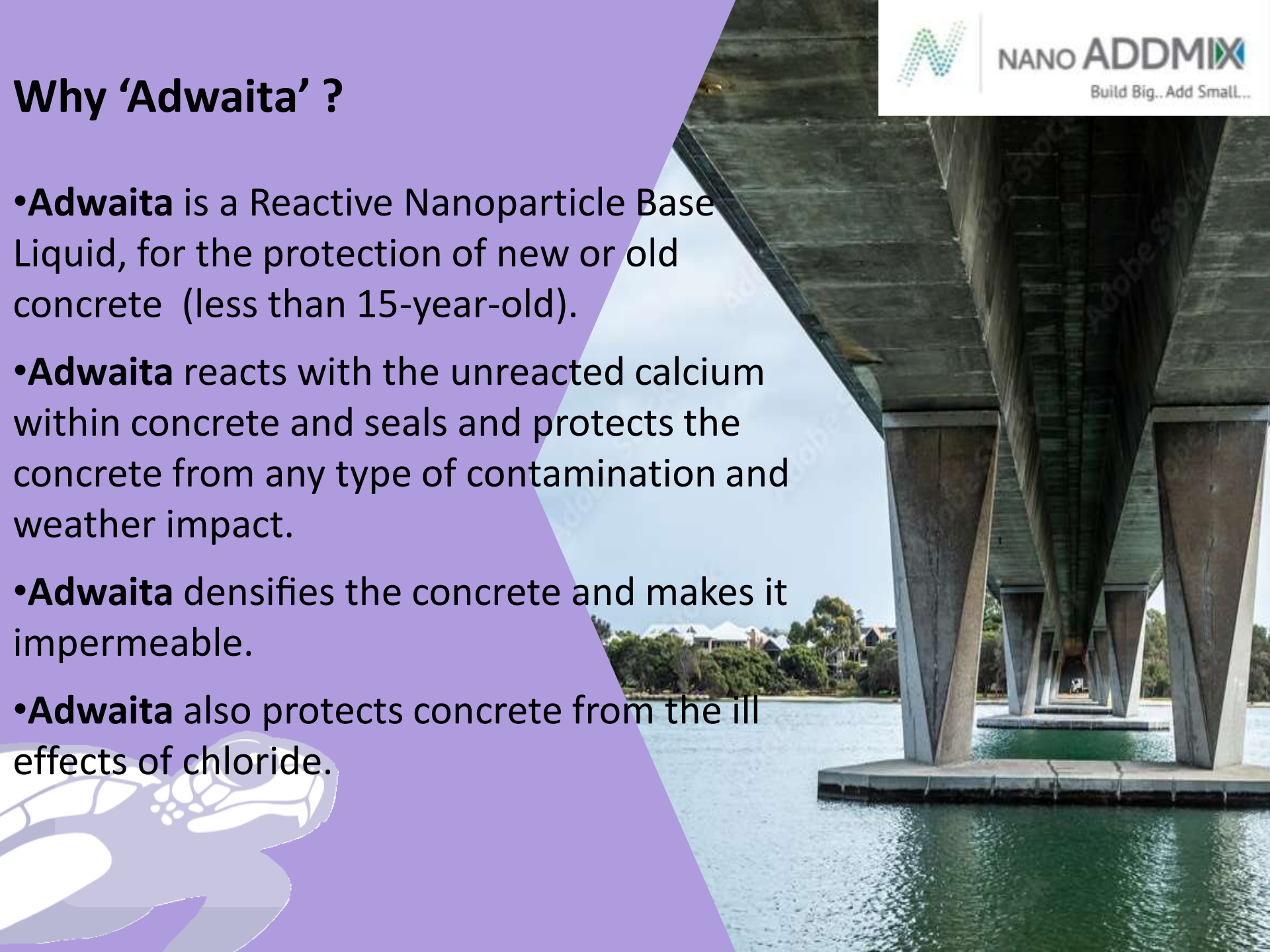
Adwaita means ‘one and only’ in Sanskrit, much like our product, which is unique, in its own way.

Adwaita, extends the life of concrete by creating a shell, which has the strength to protect concrete against any weather impact for a long duration of time.

Why ‘Adwaita’ ?

- **Adwaita** is a Reactive Nanoparticle Base Liquid, for the protection of new or old concrete (less than 15-year-old).
- **Adwaita** reacts with the unreacted calcium within concrete and seals and protects the concrete from any type of contamination and weather impact.
- **Adwaita** densifies the concrete and makes it impermeable.
- **Adwaita** also protects concrete from the ill effects of chloride.



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Area for ADWAITA Apllication :

- Curing compound
- Compressive strength enhancer
- Waterproofing system
- Anti – Crack property
- Concrete densification
- Concrete Shield

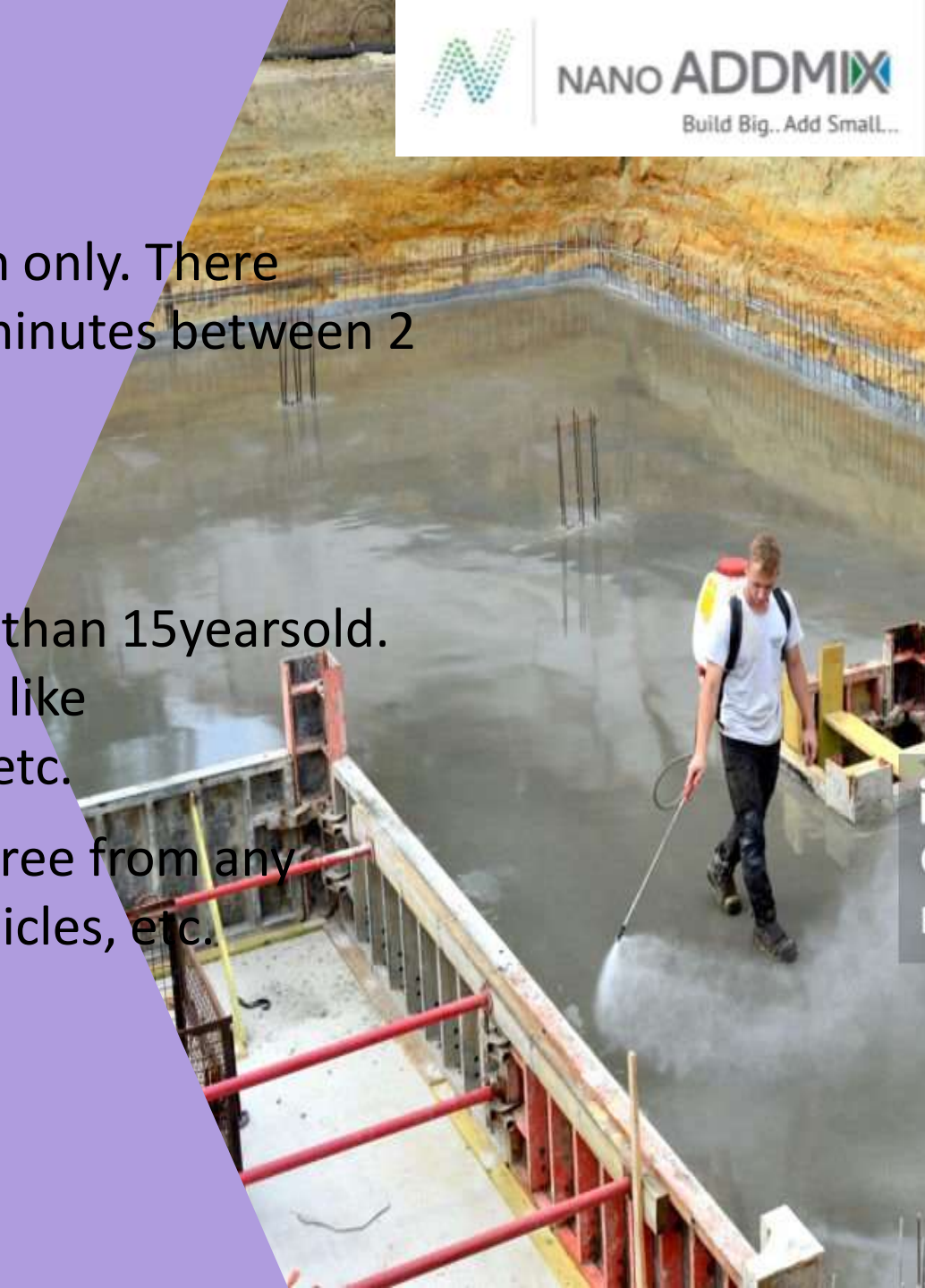
Method of Application :

•2 cross coats of Spray application only. There should be a minimum gap of 20 minutes between 2 coats.

•Area of Application :

- Fresh Concrete
- Concrete should not be more than 15yearsold.
- Any type of concrete surfaces like Column,Slab,Raft, ShearWall,etc.

•The concrete surface should be free from any coating, oil, impurities, loose particles, etc.



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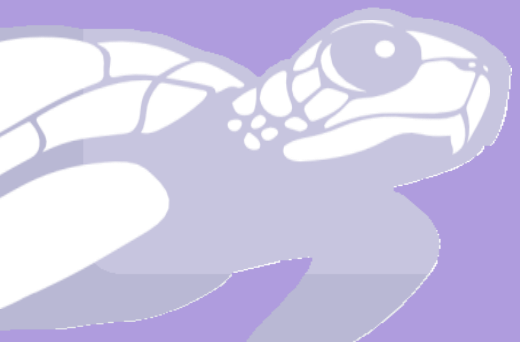
Advantages

- Cures and seals freshly placed concrete
- Increases resistance to chloride penetration
- Increases life of conventional concrete by 40%
- Concrete becomes Impermeable.
- Lowers and Eliminates water or gas vapor emissions.
- Forms Anti-skid properties on concrete surface
- Non-toxic, low VOC, Non-flammable, and Environmentally safe
- Seals nano pores, capillaries and below 1mm non repairable cracks
- Enhances adhesion for Chemical coating

Coverage

Approximate 35-40 sq ft in two coats per Kg



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Technical Properties

Test Particular	Unit	Test Result	Test Method	Specified Limit
pH	%	10.14	IS:9103	Min 6
Relative density	%	1.08	IS:9103	Within 0.02% of manufacturing value
Dry material content by weight	%	17.89	IS:9103	0.95T<DMC<1.05T, Where T-manufacturer's stated value in % by mass DMC – Test results in % by mass

CSRL - STRUCTWEL LAB (PUNE) PRIVATE LIMITED
CONSTRUCTION MATERIAL TESTING, NDT & GEOTECH SERVICES
Lab : S.No. 18/2, Pancharatna Appts. Compd. Bhairoba Nala, Nr Fatima Nagar Chowk, Wanowarie, Pune-411013
Tel..020-25861518 / 1919 Cust. Support : 9226962916/17 E-mail:lab@csrlstructwel.com www.csrlstructwel.com
CIN : U73100PN2004PTC019875 GST No. : 27AACCC5060Q2Z1
"Intelligence With Integrity"

TEST REPORT

TEST REPORT NO. & DATE	**CSRL-STRUCTWEL/Pun0480622/13464** **28/11/22**
1. Name & Address of Customer	NEEVS 114, Tiny co-op industrial Estate, Kondhwa BK, Pune-411048
2. Project / Site	Pune
3. Customer's Reference	Ltr Dtd - 27/10/2022
4. Sample	
i) Description	**Concrete Core**
ii) Quantity	3 Nos.
iii) Date of receipt	27/10/22
iv) Condition	Acceptable
5. Test method followed, if any	ASTM C-1202 - 19
6. Date of Testing	26/11/2022

TEST RESULT

TEST REPORT OF ELECTRICAL INDICATION OF CONCRETE'S ABILITY TO RESIST CHLORIDE ION PENETRATION (RCPT)

* Grade of concrete	M - 40	* Cement Type	--
* Date of casting	30/09/22	* Structural Details	--
* Cement content (Kg/m^3)	--	* Exposure condition	--
* W/C Ratio	--		
* Source	--		

Observations :

Sr. No.	ID Mark	Time (T) min.	Total Charge passed (Coulombs)
1	**Adwaita M-40 DOC : 30/09/2022**	360	1246
2		360	1049
3		360	1345

Remarks :

Charge Passed (Coulombs)	Chloride Ion Penetrability
1) > 4000	High
2) 2000 -4000	Moderate
3) 1000-2000	Low
4) 100-1000	Very low
5) <100	Negligible

NOTE :
- This certificate refers only to the sample submitted for testing.
- This certificate is valid at the time of and under the conditions specified herein.
- This certificate may not be reproduced in part, without the permission of this laboratory.
- Any correction invalidates this certificate.
- * Data provided by customer.
- * Above test carried out in NAVI MUMBAI STRUCTWEL- BRANCH

CSRL-STRUCTWEL/DATE/RCPT/018	
Rev. 0	Date 08/01/20

Swati Chirputkar (Quality Manager)
Authorised Signatory PAGE 1 OF 1

****** END OF REPORT******

TEST REPORT

DATE OF RECEIPT	25.09.2023		**REPORT DATE**	18.11.2023
REPORT NO.	CCCEL/SEPT/100-A/MD-01/1938-1/23-24			
CUSTOMER NAME & ADDRESS	M/s. Nexus Plot no. 114, Tiny Co Op Industrial Estate, Kondawa Bk Pune 411 048.			
SITE ADDRESS	Plot no. 114, Tiny Co Op Industrial Estate, Kondawa Bk Pune 411 048.			
DESCRIPTION	Material:	Concrete Mix Design	Type :	Conventional
	Grade :	M25	TEST METHOD	IS 10262-1982(RA-2019), IS 456-2000(RA-2019), IS 516-Part 1/Sec-1(2021)
	Quantity:	10 Bags	Casting Date	17.10.2023
Condition :	Acceptable		Testing Date	17.11.2023
SAMPLE ID:	Controlled Trial			

FINAL REPORT

MIX DESIGN PROPORTIONS:-

Material→ For ↓	Cement (kg) Ultra tech OPC 53	Fly Ash (kg)	Crush Sand (kg)	10mm Metal (kg)	20mm Metal (kg)	Water (Lit.)	Admixture (kg) Wizard (Wiroplast 0427 WZ)
per bag	50	12	148	79	122	27.31	0.497
per m^3	290	70	856	457	706	150.40	2.880

MIX DESIGN DATA:-

Max. W/C Ratio	0.50	**Slump after 2:30 hrs.**	90-130mm
Max size of Aggregate:	20mm	**Exposure Condition:**	Mild
Min Cement Content:	300 kg/ m^3		
Standard Deviation Assumed	4 N/mm^2 (As per IS 456 – 2000 (RA-2019)Table 8, Clause 9.2.4.2)		
Target mean strength	33 N/mm^2 + (1.6 x Standard Deviation)		

LABORATORY OBSERVATIONS:-

W/C Ratio	0.44	**Initial Slump**	195 mm
Bleeding	No	**Slump after 1:00 hrs**	160 mm
Homogeneity	Good	**Slump after 2:00 hrs**	125 mm
Plastic Density of Concrete	2540.0 Kg/m^3	**Slump after 2:30 hrs**	90 mm
Segregation	NO		

(P.T.O)

TEST REPORT

DATE OF RECEIPT	23.09.2023		REPORT DATE	18.11.2023
REPORT NO.	CECPL/SKPF/100-A/MD-02/1938-2/23-24			
CUSTOMER NAME & ADDRESS	M/s. Neeva Plot no. 114, Tiny Co Op Industrial Estate, Kondawa Bk Pune 411048.			
SITE ADDRESS	Plot no. 114, Tiny Co Op Industrial Estate, Kondawa Bk Pune 411048.			
DESCRIPTION	Material:	Concrete Mix Design	Type :	Conventional
	Grade	M25	TEST METHOD	IS 10262-1982(RA-2019), IS 456-2000(RA-2019). IS 516-Part-1/Sec-1(2021)
	Quantity:	10 Bags	Casting Date	17.10.2023
Condition :	Acceptable		Testing Date	17.11.2023
SAMPLE ID:	R&D For Curing Compound			

FINAL REPORT

MIX DESIGN PROPORTIONS:-

Material→ / For ↓	Cement (kg) Ultra tech OPC 53	Fly Ash (kg)	Crush Sand (kg)	10mm Metal (kg)	20mm Metal (kg)	Water (Lit.)	Admixture (Kg) Wizard (Wizplast 8427 WX)
per bag	50	12	149	79	122	27.31	0.497
per m^3	290	70	855	457	706	158.40	2.880

MIX DESIGN DATA:-

Max. W/C Ratio	0.50	Slump after 2:30 hrs.	90-100mm
Max size of Aggregate:	20mm	Exposure Condition:	Mild
Min Cement Content:	300 kg/ m^3		
Standard Deviation Assumed	4 N/mm^2 (As per IS 456 – 2000 (RA 2019)[Table 8, Clause 9.2.4.2]		
Target mean strength	0.0 N/mm^2 + (K x Standard Deviation)		

LABORATORY OBSERVATIONS:-

W/C Ratio	0.44	Initial Slump	190 mm
Bleeding	No	Slump after 1:00 hrs	155 mm
Homogeneity	Good	Slump after 2:00 hrs	130 mm
Plastic Density of Concrete	2540.0 Kg/m^3	Slump after 2:30 hrs	100 mm
Segregation	NO		

TEST REPORT

RECEIPT DATE	23.09.2023	REPORT DATE	21.11.2023
REPORT NO.	CECP_/SEPT/100-A/CP-01/1939-2/23-24		
CUSTOMER NAME & ADDRESS	M/s. Neevs Plot no. 114, Tiny Co Op Industrial Estte, Kondhwa Bk Pune 411048.		
NAME OF WORK	Plot no. 114, Tiny Co Op Industrial Estte, Kondhwa Bk Pune 411048.		
CONDITION OF SAMPLE	Acceptable	TEST METHOD	IS 516 Part 2/Sec 1(2018)
DESCRIPTION:			
• Material	Concrete Cube	• Casting Date	17.10.2023
• Grade	M 25	• Duration of Testing	18.10.2023 To 20.11.2023
• Quantity	03 Nos.	• Age (in days)	33
SAMPLE ID	Controlled Trial		

TEST REPORT OF WATER PERMEABILITY

Sr. No.	Sample ID	Size of Sample (mm)		Weight (Kg)	Maximum Depth of Water Penetration (mm)	Average Depth (mm)
		Length (mm)	Width (mm)			
1	SEPT/1/2/1	150.00	150.00	8.751	10.0	10.33
2	SEPT/1/2/2	150.00	150.00	8.659	9.0	
3	SEPT/1/2/3	150.00	150.00	8.778	12.0	

NOTE: -

1) The above tests were carried out as per Standard test methods.
2) The Tests were performed in Laboratory on the sample(s) as in given condition by customer.
3) Any Test Report shall not be reproduced, without written permission from CONSTROVISION ENGINEERING CONSULTANTS PVT. LTD.
4) Statement of conformity to a specification is provided considering the level of risk associated with decision rule applied
5) Measurement Uncertainty is not taken into consideration while stating conformity with the specified requirements as requested by the customer.

Reviewed and Authorized By
Mr. Pandurang Hulale
Quality Manager