

لة الامارات العربية المتحدة ارة الداخلية يادة العامة للدفاع المدني نة اعتماد المختبرات العالمية يوت الخبرة ومعاهد التدريب

Date: 2018-09-11

CERTIFICATE OF COMPLIANCE

	his certificate of compliance	e validates the	following
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	EX27362-20170425	CERTIFICATE NUMBER	VIZY.EX27362
DATE OF ISSUE	2017-04-25	DATE OF ISSUE	2017-04-26
DATE OF EXPIRY	Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service.	DATE OF EXPIRY	Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service.
	Manufacture	er details	
NAME OF FACTORY/ MANUFACTURER	International Industries Limited	NAME OF THE BRAND	INTERNATIONAL INDUSTRIES LIMITED
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	LX 15-16, Landhi Industrial Area, Karachi - 75120, Pakistan	MODEL / NO	Schedule 10 (Black or Galvanised) steel sprinkler pipe in the 3/4, 1, 1-1/2, 2, 2-1/2, 3, 3 1/2, 4, 5, 8 and 10 inch sizes. Schedule 30 (Black or Galvanised) steel sprinkler pipe in the 8 inch size. Schedule 40 (Black or Galvanised) steel sprinkler pipe in the 1/2, 3/4, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6 and 10 inch sizes.
WEBSITE	www.iil.com.pk	LOGO ON THE PRODUCT	
TEL	+92-21-35080451 to 5	EMAIL	ayaz.khan@iil.com.pk



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	Product Detai	ls From Test Report		Reference Test Report page NO
DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/		r Pipe r pipe intended for use in wate ns for water-distribution or tri		EX27362- 20170425
TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	1 Scope 1.1 These require water based fire water distribution used in fire proteinstalled in accornal Standard for Infoccupancies up to in Height, NFPA 1 c) Standard for Infamily Dwellings Manufactured Hodd Standard for Infoccupancies was supported by Standard for Infoccupancies was support	ements cover metallic pipe interprotection systems for nor valve trim applications. The ction systems when dance with the following Standard Stallation of Sprinkler Systems or Four Stories and Stallation of Sprinkler Systems and Stallation of Sprinkler Systems and Stallation of Standpipe, Private A; // Ater Spray Fixed Systems, NFP stallation of Foam-Water Spray Fixed Systems for Fixed S	ended for use in lesse pipes may be dards: 6, NFPA 13; 6 in Residential in One- and Two- e Hydrants, and Hose PA 15; y Systems, NFPA 16; ems, NFPA 750. end configuration,	EX27362- 20170425
		ts from the referenced standar mitted, were conducted:	rd(s), as applicable to	EX27362- 20170425
TEST DESCRIPTION	Standard	Test	Standard Section	
	852	Examination of Samples	6-10	
	852	Materials and Tensile	17, 18	
	852	Marking	21	



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	852	Bending Moment	12	
	852	Leakage	13	
	852	Hydrostatic	14	
	852	Vibration	15	
	indicate that the p requirements of th Sprinkler Pipe for R	investigation including evaluat roducts are complied with app re Standard ANSI/UL 852- "Star Fire Protection Service" and the rd eligible to bear UL's Mark.	licable ndard for Metallic	
SPECIFICATION OF TEST SPECIMEN	The samples used for testing and evaluation were considered representative of the submitted products.			
TEST RESULT (SUCH AS PASSED CRITERIA_/ COMPLIED TO/ DURATION/OBSERVATION/ETC)	Pass – Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service This category covers metallic sprinkler pipe intended for use in			
	water-based fire-p applications. This p pipe-type sprinkler following:	rotection systems for water-di sipe may be used in wet, preac systems when installed in acc	stribution or trim tion, deluge or dry- ordance with the	EX27362- 20170425
PRODUCT APPLICATION GUIDELINE (END USE) (CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN/TO BE INSTALLED AT/TO BE CONNECTED WITHTO BE INSTALLED WITHETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN/NOT TO BE INSTALLED AT/ NOT TO BE INSTALLED WITHETC.	ANSI/NFPA 13D, "I Family Dwellings a ANSI/NFPA 13R, "In Occupancies up to ANSI/NFPA 14, "Ins ANSI/NFPA 15, "W ANSI/NFPA 16, "Ins Water Spray System ANSI/NFPA 750, "V In accordance with installed to distribution	estallation of Sprinkler Systems' Installation of Sprinkler Systems Installation of Sprinkler Systems Installation of Sprinkler Systems Installation of Sprinkler Systems Installation of Standpipe and Hose Installation of Standpipe and Hose Installation of Foam-Water Sprince Installation of Foam-Water Sprince Installation of Foam-Water Sprince Installation of Foam-Water Sprince Installation Systems Install	s in One- and Two- s in Residential leight" se Systems" re Protection" kler and Foam- ems" ds, the pipe sizes ald be not less than	
	pipe. Steel pipe had Schedule 40 pipe n individual certificat certified welded ou which have been in	rs threaded and unthreaded (p ving lesser wall thicknesses that hay be threaded or plain end as tions. Plain-end pipe is intende atlet fittings (see Fittings, Weld evestigated for compatibility we he may also be joined by welding	n unthreaded s indicated in the d to be joined by ed Outlet (VIZU)), ith the specific	



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Steel pipe covered under this category is also intended to be used in applications joined by certified rubber-gasketed fittings (see Fittings, Rubber Gasketed (VIZM)). In these applications the pipe is intended to be cut-grooved or roll-grooved in accordance with the certified rubber-gasketed fitting manufacturer's installation instructions, which have been investigated for compatibility with the specific pipe. Where indicated in the individual certifications, pipe may also be swage grooved by the pipe manufacturer.

Steel pipe with a wall thickness Schedule 10 pipe that is designated in ASTM A53, "Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless," ASTM A135, "Standard Specification for Electric-Resistance-Welded Steel Pipe," or ASTM A795, "Standard Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use," incorporates the dimensions and materials specified for the designation. The applicable NFPA installation standards are intended to be followed for the minimum wall thickness requirements that allow pipe to be threaded, cut-grooved, roll-grooved or plain.

Steel pipe threading requires the use of thread gauges conforming to the dimensions of ANSI/ASME B1.20.1, "Pipe Threads, General Purpose (Inch)." This pipe has been investigated for both mechanical strength and relative corrosion resistance expressed in terms of a corrosion resistance ratio (CRR). This ratio for each size pipe is defined as follows:

CRR=(X/X40)3

Where: X40 = Thickness of Schedule 40 pipe under the first exposed thread. The "first exposed thread" is the minimum pipe thickness exposed to both interior and exterior corrosion and occurs at the threaded joint assembly at a line defined by the thread width, just before the pipe engages the fitting.

X = Thickness of the certified pipe measured either under the first exposed thread for threaded pipe or at the thinnest wall section for unthreaded pipe.

The CRR will be greater than 1.00 when the wall thickness of the certified pipe is greater than the wall thickness of Schedule 40 pipe under the first exposed thread, and less than 1.00 when the certified pipe wall is thinner than the wall thickness of Schedule 40 pipe under the first exposed thread.





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The corrosion performance of steel pipe can vary depending on the composition of the steel of which it is formed, the composition of the water(s) to which it is exposed and related service conditions.

Authorities Having Jurisdiction should be consulted before installation

Pipe materials have not been investigated for potability unless indicated in the individual certifications.

Pipe has not been investigated for groove dimensions or the grooving process. Pipe is intended to be grooved in accordance with the certified rubber-gasketed fitting (see VIZM) manufacturer's installation instructions, which have been investigated for compatibility with the specific pipe.

Coatings, platings or other surface treatments on the interior or exterior of the pipe have not been investigated for the ability to protect the pipe from corrosion, potability, or the effects of the coatings, platings or other surface treatments on components of the water-distribution system.





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NAME OF CERTIFICATION BODY	UL LLC	NAME OF TEST FACILITY	UL LLC
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	333 Pfingsten Road, Northbrook, IL, USA	TEST FACILITY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	333 Pfingsten Road, Northbrook, IL, USA
WEBSITE	www.ul.com	WEBSITE	www.ul.com
TEL	+1-877-854-3577	TEL	+1-877-854-3577
EMAIL	FireandSecurity@ul.com	EMAIL	FireandSecurity@ul.com
ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)	American National Standards Institute (ANSI) as a product certification body ansi.org	ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)	American National Standards Institute (ANSI) as a product certification body ansi.org
AS PER (STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)	ISO/IEC 17065	AS PER (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)	ISO/IEC 17065
VALIDITY (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)	Active as of date of issuance of this certificate	VALIDITY (EXPIRY DATE OF LABORATORY ACCREDITATION)	Active as of date of issuance of this certificate
REFERENCE NUMBER: (CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	Accreditation ID #0198	REFERENCE NUMBER: (THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	Accreditation ID# 0198





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NAME OF MANUFACTURER'S SIGNATORY	AYAZ AHMED KHAN	SIGNATURE	dys
EMAIL / TEL	+92-21-35080451 to 5 (Ext # 324)	FACTORY OFFICIAL SEAL	(P) E
NOTES: I Undertake tha	at all data and information pr	ovided are genuine and accura	1101 11

NAME OF CERTIFICATION BODY SIGNATORY	Emil W. Misichko	SIGNATURE	Emisige.
EMAIL / TEL	Emil.W.Misichko@ul.com	CERTIFICATION BO	DYchnologies
	+1-847-664-2036	OFFICIAL SEAL	Northblook, IL US

ATTACHMENTS:

COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)



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VIZY.EX27362 - METALLIC SPRINKLER PIPE

Metallic Sprinkler Pipe

See General Information for Metallic Sprinkler Pipe

INTERNATIONAL INDUSTRIES LIMITED

EX27362

LX 15-16, LANDHI INDUSTRIAL AREA KARACHI, 75120 PAKISTAN

Schedule 10 (Black or Galvanised) steel sprinkler pipe in the 3/4, 1, 1-1/2, 2, 2-1/2, 3, 3 1/2, 4, 5, 8 and 10 inch sizes.

Schedule 30 (Black or Galvanised) steel sprinkler pipe in the 8 inch size.

Schedule 40 (Black or Galvanised) steel sprinkler pipe in the 1/2, 3/4, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6 and 10 inch sizes.

Last Updated on 2017-04-26