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RAKtherm®
Ultimate Piping Solutions

Gulf Plastic and Converting Industries (Tahweel TM), is a multifaceted manufacturing company based in the United Arab Emirates, supplying various engineering systems for the construction sector

With over 50 years of experience in plastic pipe and fitting manufacturing in Saudi Arabia, Egypt and Jordan, Tahweel TM has launched its first integrated PP-R and PE-X pipes & fittings system for servicing a booming construction sector worldwide and in the Middle East in particular under the trade name of RAKtherm® with 40,000 m2 manufacturing complex bases in Ras Al Khaimah and sales branch office based in Sharjah, Tahweeel TM is well on its way to become the regional leader in water supply and drainage systems.

RAKtherm is a versatile, and comprehensive system for delivery of water and other fluids, used in applications of pressurized hot and cold water delivery as well as under floor heating in all modern residential, commercial and industrial buildings. RAKtherm® offers the widest range of PP-R and its complimentary PE-X piping sys- tem in the Middle East and North Africa, including Multilayer oxygen barrier pipes and Aluminum composite pipes in addition to the conventional piping systems.

We believe the quality of products and the support services provided at RAKtherm® are our main advantages. This is translated in a very wide range of products that are produced with state-of-the-art machinery from the most reputed sources, and a very high-tech quality control system which ensures that this quality is always. maintained in addition to well trained and highly motivated staff on all levels of the company that are always committed to premium service at any time.


DVGW-Baumusterprüfzertifikat
DVGW type examination certificate


ZERTIFIKAT SKZ
Certificate
SKZ - TeConA GmbH awards the following company
GULF PLASTIC & CONVERTING INDUSTRIES
RAKtherm
Al-Jazira Al-Hamra
30739 Ras Al-Khaimah
United Arab Emirates
the right to use the SKZ - testing and inspection mark
A 451
for the following plastic products
Pressure pipes made of polypropylene PP-R
Users of the SKZ - mark are obliged to observe the required regulations for the production and testing of these products.
Date of expiry: 10 December 2012
Würzburg, 11 December 2007
Certification body


CSTB
CSTBat
CERTIFICAT
Systèmes de canalisations de distribution d'eau
Chauffage et distribution sanitaire
RAKtherm
CARACTÉRISTIQUES CERTIFIÉES


CERTIFICATE
The Certification Body of TÜV SÜD Management Service GmbH certifies that
Gulf Plastic and Converting Industries (Tahweel)
P.O.Box:30739
Ras Al - Khaima
United Arab Emirates
has established and applies a Quality Management System for
Manufacture and Supply of Plastic pipes, Pipe Fittings and Plumbing System Components.
An audit was performed, Report No. 70120082
Proof has been furnished that the requirements according to
ISO 9001: 2008
are fulfilled. The certificate is valid until 2012-06-18
Certificate Registration No. 12 100 29568 TMS
ZERTIFIKAT ◆ CERTIFICATE ◆ CEPTИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT


Hygiene-Institut des Ruhrgebiets
TEST CERTIFICATE
on the propagation of microorganisms on the surface of materials used in the area of drinking water pursuant to the statutory provision DVGW Technische Regeln (technical directions), work sheet W 270, as of November 1999
Client: GULF PLASTIC & CONVERTING INDUSTRIES-TAHWEEL P.O. Box 30739 AL-JAZIRA AL-HAMRA, RAS AL-KHAIMA UNITED ARAB EMIRATES
Test material: Raktherm PP Typ 3 PN20
Test method: material test
According to test report W-145814ek-06-SI from 12.12.2006, the material Raktherm PP Typ 3 PN20 mentioned above is conform to the requirements for the use in the area of drinking water pursuant to DVGW work sheet W 270.
This test certificate shall become valid upon date of issue and shall expire on 12.12.2011 provided that conditions and requirements remain unaltered. Upon these conditions the validity may be extended on application up to another 5 years term.

FITTINGS & ACCESSORIES

RAKtherm Ultimate Piping Solutions

RAKtherm Stabi Composite Pipe PP-R PN 20 With Aluminium Thicknes 0.2 mm According To DIN 8077/78

Art-.No.	Dimension	Packing Unit	Outer Diameter (OD)mm	Wall Thickness (S)	Intrernal Diameter (ID)mm	Water content I/mt	Kg / mt
PS20-20	20 mm	100 mts	20	2.8	14.4	0.163	0.220
PS20-25	25 mm	100 mts	25	3.5	18	0.254	0.320
PS20-32	32 mm	40 mts	32	4.4	23.2	0.415	0.470
PS20-40	40 mm	40 mts	40	5.5	29	0.651	0.720
PS20-50	50 mm	20 mts	50	6.9	36.2	1.029	1.060
PS20-63	63 mm	20 mts	63	8.6	45.8	1.633	1.650
PS20-75	75 mm	20 mts	75	10.3	54.4	2.307	2.280
PS20-90	90 mm	12 mts	90	12.3	65.4	3.318	3.200
PS20-110	110 mm	8 mts	110	15.1	79.8	5.674	4.600

RAKtherm Stabi Composite Pipe PP-R PN 25 With Aluminium Thicknes 0.2 mm According To DIN 8077/78

Art-.No.	Dimension	Packing Unit	Outer Diameter (OD)mm	Wall Thickness (S)	Intrernal Diameter (ID)mm	Water content I/mt	Kg / mt
PS25-20	20 mm	100 mts	20	3.4	13.2	0.137	0.241
PS25-25	25 mm	100 mts	25	4.2	16.6	0.216	0.350
PS25-32	32 mm	40 mts	32	5.4	21.2	0.353	0.542
PS25-40	40 mm	40 mts	40	6.7	26.6	0.556	0.805
PS25-50	50 mm	20 mts	50	8.3	33.4	0.866	1.217
PS25-63	63 mm	20 mts	63	10.5	42	1.385	1.860
PS25-75	75 mm	20 mts	75	12.5	50	1.963	2.586
PS25-90	90 mm	12 mts	90	15	60	2.827	3.656
PS25-110	110 mm	8 mts	110	18.3	73.4	4.208	5.372