


 Saint-Gobain PAM CANALISATION 21, avenue Camille Cavallier - BP 129 F-54705 PONT A MOUSSON Cedex 10	
Unique Identification Code of the product-type: AI001A Declaration of performances N° DoP-INTEGRAL005EN EN598 Ductile iron pipes, fittings, accessories and their joints for sewerage applications INTEGRAL Range Pipes, fittings and joints for DN80 to 2000	
Essential characteristics requirement	Performances
Dimension tolerances Internal pressure strength Impact resistance <ul style="list-style-type: none"> • Pipes • Fittings Longitudinal bending strength Maximum load for admissible deformation Tightness: gas and liquid <ul style="list-style-type: none"> • Internal pressure • Vacuum • External pressure • Cyclic pressure 	Comply with 420 Mpa 230 HB 250 HB Comply with Comply with 2 bar (gravity) 1.5 PFA + 5 bar (pressure) -0.9 bar 2 bar 24 000 cycles
Durability aspects	
External coatings Pipes <ul style="list-style-type: none"> • Zinc • Zn Al alloy (Cu) • Polyethylene • Polyurethane • Cement mortar • Polyurethane foam Fittings <ul style="list-style-type: none"> • Epoxy • Polyurethane Internal coatings: Pipes <ul style="list-style-type: none"> • High alumina cement mortar • Polyurethane • Thermoplastic Acid Modified Polyolefin Fittings <ul style="list-style-type: none"> • Epoxy • Polyurethane 	200g/m ² 400g/m ² Comply with EN14 628 Comply with EN15 189 Comply with EN15 542 Comply with DIN 8074-8075 Comply with EN14 901 Comply with Comply with Comply with EN15 655 Comply with Comply with EN14 901 Comply with EN15 655
Chemical resistance to effluents Abrasion resistance	Comply with Comply with

 Saint-Gobain PAM CANALISATION 21, avenue Camille Cavallier - BP 129 F-54705 PONT A MOUSSON Cedex 10	
Unique Identification Code of the product-type: AP001A Declaration of performances N° DoP-PLUVIAL005EN EN598 Ductile iron pipes, fittings, accessories and their joints for sewerage applications PLUVIAL Range Pipes, fittings and joints for DN350 to 2000	
Essential characteristics requirement	Performances
Dimension tolerances Internal pressure strength Impact resistance <ul style="list-style-type: none"> • Pipes • Fittings Longitudinal bending strength Maximum load for admissible deformation Tightness: gas and liquid <ul style="list-style-type: none"> • Internal pressure • Vacuum • External pressure 	Comply with 420 Mpa 230 HB 250 HB Comply with Comply with 2 bar -0.9 bar 2 bar
Durability aspects	
External coatings Pipes <ul style="list-style-type: none"> • Zinc • Zn Al alloy (Cu) Fittings <ul style="list-style-type: none"> • Epoxy Internal coatings: Pipes <ul style="list-style-type: none"> • High alumina cement mortar Fittings <ul style="list-style-type: none"> • Epoxy 	130g/m ² 400g/m ² Comply with EN14 901 Comply with Comply with EN14 901
Chemical resistance to effluents Abrasion resistance	Comply with Comply with

 Saint-Gobain PAM CANALISATION 21, avenue Camille Cavallier - BP 129 F-54705 PONT A MOUSSON Cedex 10	
Unique Identification Code of the product-type: AB001A Declaration of performances N° DoP-BIOGAN002EN EN598 Ductile iron pipes, fittings, accessories and their joints for sewerage applications BIOGAN Range Pipes, fittings and joints for DN150 to 200	
Essential characteristics requirement	Performances
Dimension tolerances Internal pressure strength Impact resistance <ul style="list-style-type: none"> • Pipes • Fittings Longitudinal bending strength Maximum load for admissible deformation Tightness: gas and liquid <ul style="list-style-type: none"> • Internal pressure • Vacuum • External pressure 	Comply with 420 Mpa 230 HB 250 HB Comply with Comply with 2 bar -0.9 bar 2 bar
Durability aspects	
External coatings Pipes <ul style="list-style-type: none"> • Zn Al alloy (Cu) Fittings <ul style="list-style-type: none"> • Epoxy Internal coatings: Pipes <ul style="list-style-type: none"> • Thermoplastic Acid Modified Polyolefin Fittings <ul style="list-style-type: none"> • Epoxy 	400 g/m ² Comply with EN14 901 Comply with Comply with EN14 901
Chemical resistance to effluents Abrasion resistance	Comply with Comply with

 Saint-Gobain PAM CANALISATION 21, avenue Camille Cavallier - BP 129 F-54705 PONT A MOUSSON Cedex 10	
Unique Identification Code of the product-type: AT001A Declaration of performances N° DoP-TAG005EN EN598 Ductile iron pipes, fittings, accessories and their joints for sewerage applications TAG 32 Range Pipes, fittings and joints for DN125 to 300	
Essential characteristics requirement	Performances
Dimension tolerances Internal pressure strength Impact resistance <ul style="list-style-type: none"> • Pipes • Fittings Longitudinal bending strength Maximum load for admissible deformation Tightness: gas and liquid <ul style="list-style-type: none"> • Internal pressure • Vacuum • External pressure 	Comply with 420 Mpa 230 HB 250 HB Comply with Comply with 2 bar -0.9 bar 2 bar
Durability aspects	
External coatings Pipes <ul style="list-style-type: none"> • Zinc • Zn Al alloy (Cu) Fittings <ul style="list-style-type: none"> • Epoxy Internal coatings: Pipes <ul style="list-style-type: none"> • Epoxy Fittings <ul style="list-style-type: none"> • Epoxy 	200 g/m ² 400 g/m ² Comply with EN14 901 Comply with Comply with EN14 901
Chemical resistance to effluents Abrasion resistance	Comply with Comply with

Comply with = in accordance with EN598

Product Accompanying Documents acc. ZA.2: INTEGRAL, PLUVIAL, BIOGAN, TAG32 Range

www.pamline.com

PAD_INTEGRALPLUVIALTAGBIOGAN_EN