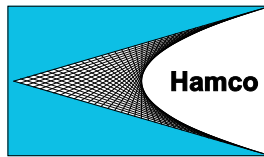


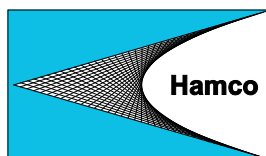
Company history



December 2011

- 1956** Foundation between Armco Inc., Ohio (USA) and August Thyssen Hütte AG, Duisburg (Germany)
- Product range in 1958** Corrugation 152,4 mm x 50,8 mm
Corrugation 67,7 mm x 12,7 mm (notched nestable pipes)
Corrugation 67,7 mm x 12,7 mm (riveted pipes)
LinerPlate
Steel guardrails
- Beginning 60ies** Using of Duplex system – plastic coating on hot-dip galvanized surface
- 1960** Dynamic long-term load test of a corrugated steel pipe arch attended by Prof. Dr.-Ing. K. Klöppel, Technical University Darmstadt
- 1963** Static load carrying test of a large-scale corrugated steel pipe arch attended by Prof. Dr.-Ing. K.Klöppel and Dr.-Ing. D. Glock, Technical University Darmstadt (Germany)
- 1966** Implementing of a semi-automatized plastic-coating line
- 1970** Publication of calculation method Klöppel/Glock
- 1972** Development / implementing of corrugation 67,7 mm x 12,7 mm as bolted system by the employees Dipl.-Ing. W. Pfäffle and Dipl.-Ing. H. Wenzel
- 1979** Development / Implementing of corrugation 200mm x 55mm by the employee Dr.-Ing. D. Glock
- Beginning 80ies** Armco Inc. becomes sole owner of the company in Dinslaken
- 1982** ARS 01/82 – German Federal Ministry for Traffic
Conditions for the use of corrugated steel pipes / Dimensioning instructions

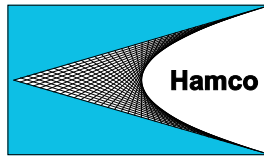
Company history



December 2011

- Mid 80ies** Armco begins to withdraw from the European market and begins to sell his European production plants
- 1985** M. Hammes, employed at Armco since 1960 and general manager of the plant in Dinslaken and the Armco Trading Company in Cologne, gets the order from headquarters in Ohio to look for a buyer of the plant in Dinslaken
- 1987** M. Hammes takes over the company in Dinslaken (new company name: Hamco Dinslaken Bausysteme GmbH) and a HelCor production plant in the Netherlands
- 1987** Development / implementing of corrugation 152,4 mm x 32 mm by the employee Dipl.-Ing. D. Fiss
- 1993** Sale of the Dutch HelCor production plant
- 1996** Use of solvent-free plastic coating material after extensive testing period
- 1997** ARS 20/97 – German Federal Ministry for Traffic
Revision: Conditions for the use of corrugated steel pipes /
Dimensioning instructions
- 1998** ARS 12/98 – Addition to ARS 20/97
- 1999** Implementing of CAD Software including a plate-layout software
- 1999** Development and seam strength tests of a special MultiPlate bolt connection
Combination of high strength steel and special bolts
Testing at the Technical University Darmstadt (Germany)
- 2000** Dr.-Ing. D. Glock finishes his career as general manager of Hamco Dinslaken Bausysteme GmbH and retires

Company history



December 2011

- 2002** Development / implementing of corrugation 152,4 mm x 22 mm by the employees Dipl.-Ing. C. Hammes and Dipl.-Ing. D. Fiss
- 2003** Implementation of the Eurocode 1 (EC1)
- 2008 – 2011** Participation in the BAST workshop for the elaboration of the ZTV-ING 'Corrugated Steel Pipes'
- 2010 – 2011** Modification of Hamco MultiPlate 200 x 55 regarding higher steel quality and more optimal gradation of the plate thickness
Testing at the Technical University Darmstadt (Germany)
- Product range in 2011**
- Hamco MultiPlate 200 mm x 5 5mm
 - Hamco MultiPlate 152,4 mm x 22 mm
 - Hamco MultiPlate 67,7 mm x 12,7 mm
 - Hamco LinerPlate 2-Flansch
 - Hamco LinerPlate 4-Flansch
 - Steel guardrails and accessories
 - SC 380 mm x 140 mm
 - Finished pipes made of steel and plastic
 - Geotextiles
 - Shafts for silage saps
 - Cisterns
 - Achenbach metal hoods
 - Design radiator covers