PART. IV HGP Pipe Advantage

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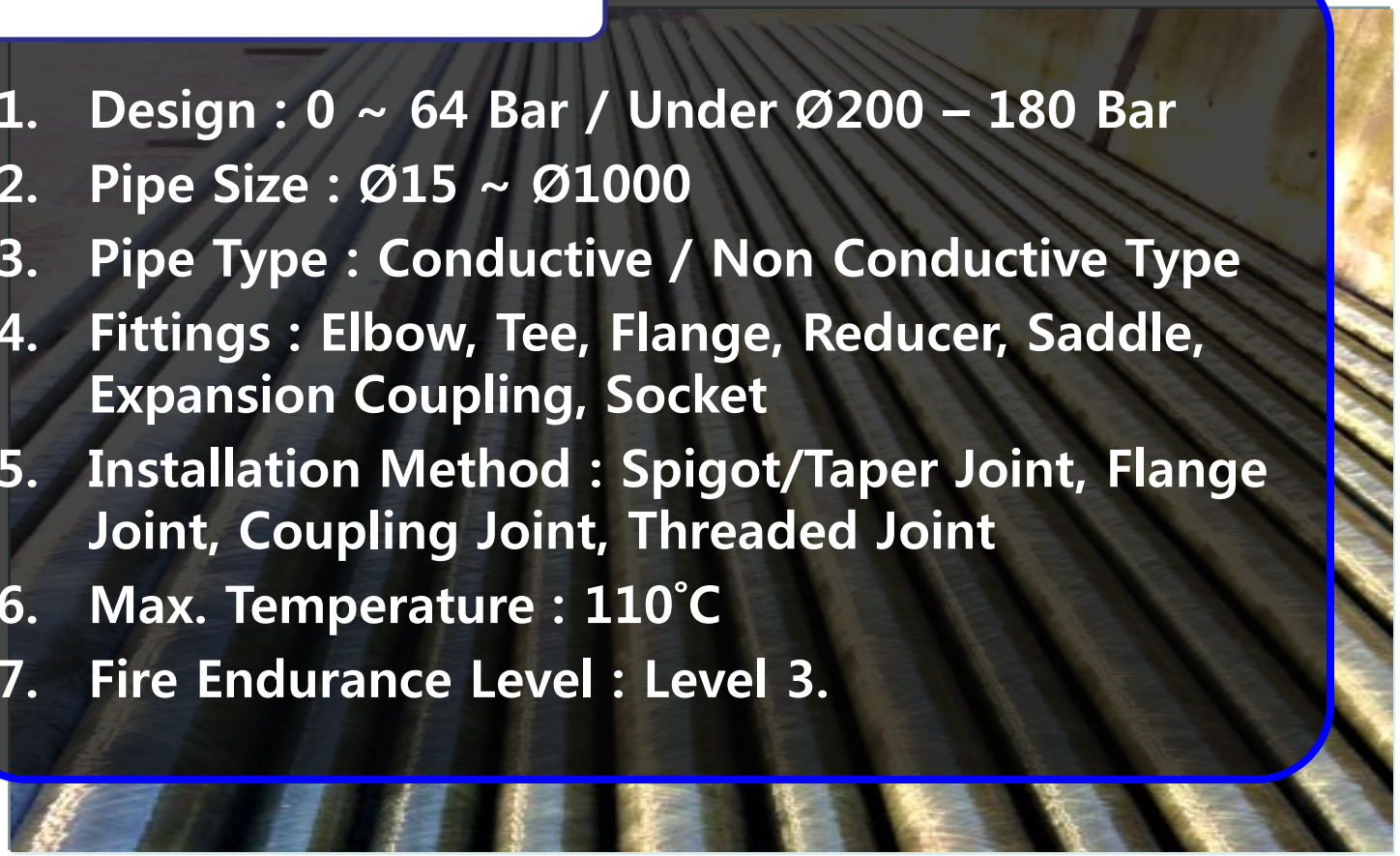
1. GRE/GRP PIPE SPEC.
2. ENGINEERING / CONSTRUCTION SUPPORT
3. A/S & SERVICE AGENT

HGP GRE PIPE SPECIFICATION

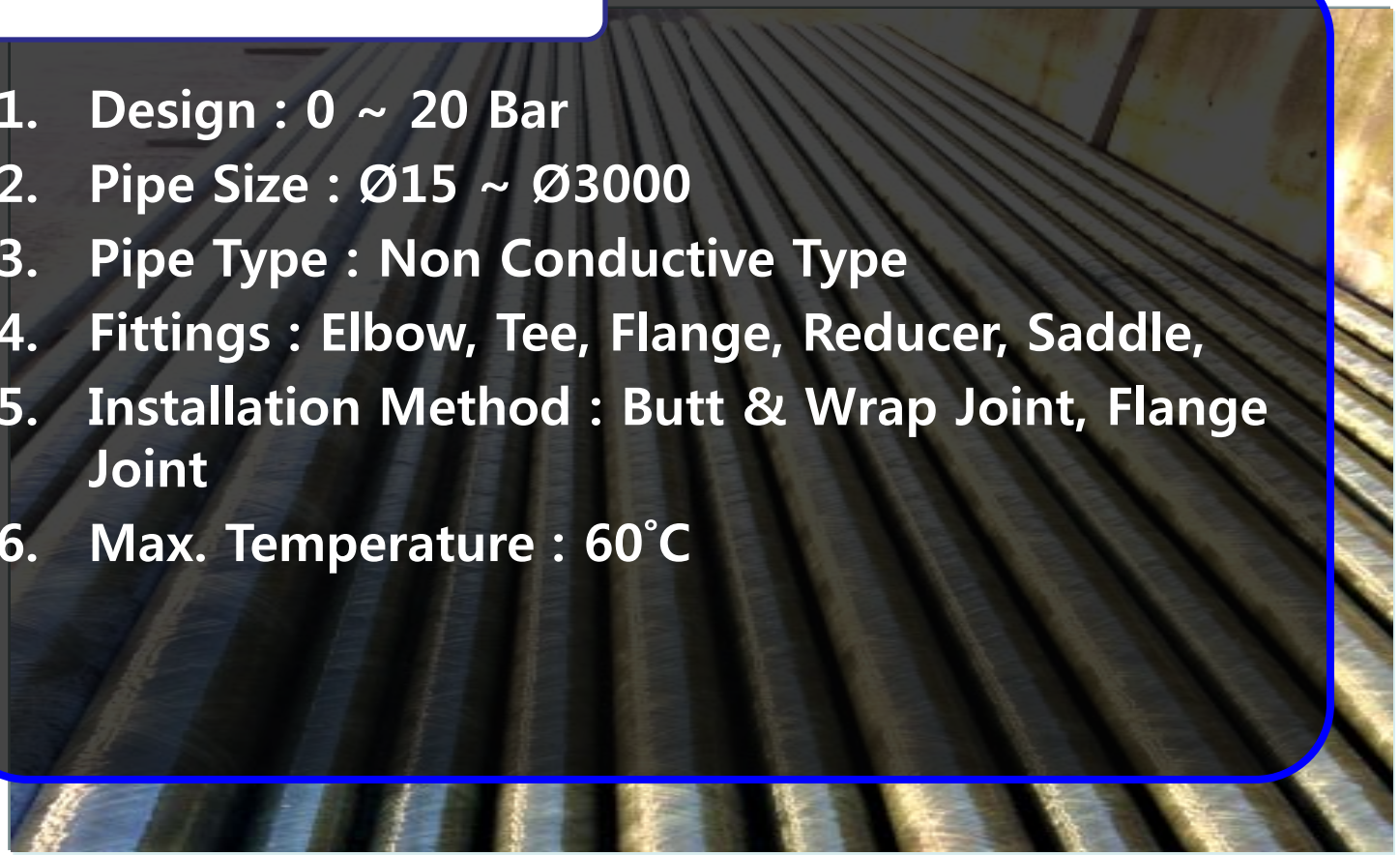
HGP GRE PIPE SPEC



1. Design : 0 ~ 64 Bar / Under Ø200 – 180 Bar
2. Pipe Size : Ø15 ~ Ø1000
3. Pipe Type : Conductive / Non Conductive Type
4. Fittings : Elbow, Tee, Flange, Reducer, Saddle, Expansion Coupling, Socket
5. Installation Method : Spigot/Taper Joint, Flange Joint, Coupling Joint, Threaded Joint
6. Max. Temperature : 110˚C
7. Fire Endurance Level : Level 3.

HGP GRP PIPE SPECIFICATION

HGP GRP PIPE SPEC



1. Design : 0 ~ 20 Bar
2. Pipe Size : Ø15 ~ Ø3000
3. Pipe Type : Non Conductive Type
4. Fittings : Elbow, Tee, Flange, Reducer, Saddle,
5. Installation Method : Butt & Wrap Joint, Flange Joint
6. Max. Temperature : 60˚C

HGP GRP PIPE SPECIFICATION

Chemical Resistance

Maximum Recommended Service Temperature ℃

• Acetic Acid, 20%	48.8℃
• Acetic Acid, 80%	23.8℃
• Acetone,10%	65.5℃
• Allyl Chloride	48.8℃

HGP GRP PIPE SPECIFICATION

Chemical Resistance

Maximum Recommended Service Temperature ℃

• Ammonia Gas	107.2℃
• Benzoic acid	65.5℃
• Carbon disulfide	48.8℃
• Chlorobenzene	65.5℃

HGP GRP PIPE SPECIFICATION

Chemical Resistance

Maximum Recommended Service Temperature ℃

• Freon,F11,F12,113,114	23.8℃
• Freon,F21,F22	23.8℃
• Gas, methane	107.2℃
• Gasoline	107.2℃

HGP GRP PIPE SPECIFICATION

Chemical Resistance

Maximum Recommended Service Temperature ℃

• Propylene glycol	23.8℃
• Sulfur Dioxode Gas	23.8℃
• Xylene	107.2℃
• Dioxane -1,4	23.8℃

HGP GRP PIPE SPECIFICATION

Chemical Resistance

Chemical Resistance Guide

General Notes

NR = Not Recommended except for very low concentrations, check with Smith Fibercast Applications Engineering.
--- = Data not available at time of printing, check with Smith Fibercast Applications Engineering for recommendations.

Spills or Upset Conditions

Flush the system immediately if spills or upsets exposes the piping to chemicals that have not been recommended.

Solvent Applications

Solvents may separate from the fluid stream in piping with static or low flow rates. The solvent will be concentrated and may damage piping not recommended for 100% concentrations. Flush the piping system immediately after shutdown to prevent solvent damage. Vent lines carrying solvent vapors can also have high concentrations of liquid solvent due to condensation. The condensation can affect the service life of systems not recommended for full concentrations.

Mixing Chemicals in the Piping System

Chemicals should not be mixed in Smith Fibercast piping if mixing will cause a chemical reaction. Reaction by products and free radicals may aggressively attack piping systems.

Abrasive Fluid

Smith Fibercast piping is used successfully in many abrasive slurry applications. Products made especially for abrasive applications are available. Product selection is dependent on particle size, percent solids, particle hardness, flow rates and continuous or intermittent usage. Smith Fibercast is pleased to provide recommendations based on the above information.

Regulations & Standards

Local, state, or federal regulations, or industry standards may govern the use of Smith Fibercast products in particular applications and should be reviewed by the customer to assure compliance.