

Selection guide of Interpon steel anticorrosion

Pieces exposure		Corrosivity categories of the environment ISO 12944				
		Exterior atmosphere				
		C2	C3	C4	C5-I	C5-M
		Corrosivity Low	Corrosivity Middle	Corrosivity High	Corrosivity Very High Industrial	Corrosivity Very High Marine
		Rural zones Low level of pollution	Urban, Industrial / coastal area moderated pollution / low salinity	Industrial/coastal area moderate salinity	Industrial high humidity /aggressive	Coastal/offshores area high salinity
Surface treatments	Chemical treatments	Amorphous Posphating or Amorphous Phosphating with Passivation or Cristalline Zn-Ni Phosphating with Passivation	Amorphous Phosphating with Passivation or Cristalline Zn-Ni Phosphating with Passivation	Cristalline Zn-Ni Phosphating with Passivation	Specific study, consult us	Cristalline Zn-Ni Phosphating with Passivation
	Or	Or				Or
	Mechanical treatments	Grit blasting Ra 6 - 12 μ SA ≥ 2,5	Grit blasting Ra 6 - 12 μ SA ≥ 2,5	Grit blasting Ra 6 - 12 μ SA ≥ 2,5		Grit blasting Ra 6 - 12 μ SA ≥ 2,5
Coatings	On chemical treatments	Interpon 610, TC or Interpon D1036 or Interpon D1094 (mini 60μ)	2 layer system : Interpon APP120 or Interpon BPP330 (mini 60μ) + Interpon 610, TC or Interpon D1036 or D1094 (min. 70μ)	Depending on the environment : 2 layer system : Interpon APP120 or Interpon BPP330 (mini 60μ) + Interpon 610, TC or Interpon D1036 or D1094 (mini 70μ) Note 4 Or 3 layer system : Interpon PZ 770 (min. 60μ) + Interpon BPP330 (min. 60μ) + Interpon D1036 or D1094 (min. 70μ) Note 3	Specific study, consult us	Specific study, consult us
	On mechanical treatments	2 layer system : Interpon PZ 660 or 770 (min. 60μ) + Interpon 610, TC or Interpon D1036 or D1094 (min. 70μ)	2 layer system : Interpon PZ 660 or 770 (min. 60μ) + Interpon 610, TC or Interpon D1036 or D1094 (min. 70μ)	Depending on the environment : 2 layer system : Interpon PZ 770 (min. 60μ) + Interpon D1036 or D1094 (min. 70μ) Note 4 Or 3 layer system : Interpon PZ 770 (min. 60μ) + Interpon BPP330 (min. 60μ) + Interpon D1036 or D1094 (min. 70μ) Note 3		With a durability depending on the elements design, use and maintenance : 3 layer system : Interpon PZ 770 (min. 60μ) + Interpon BPP330 (min. 60μ) + Interpon D1036 or D1094 (min. 70μ)
	Note 3	Note 3	Note 3	Note 3		Note 3

Note 1 : for cast iron, in some cases, a degassing operation and a surfacer primer application could be recommended

Note 2 : some Interpon 310 or Interpon 700 finishes containing metal pigments can not be used in humid environments

Note 3 : high durability powder coatings are also available. Interpon 810 for industrial uses and Interpon D2525 for architectural use

Note 4 : only for pieces located over 500 meters from a coast or an aggressive atmosphere

systems per corrosivity of the environment

Pieces exposure		Corrosivity categories of the environment ISO 12944				
		Interior ambiance				
		C1	C2	C3	C4	C5
		Corrosivity Very low	Corrosivity Low	Corrosivity Middle	Corrosivity High	Corrosivity Very High
		Heated buildings, clean atmospheres, e.g. offices, shops, hotels, schools.	Unheated buildings where condensation may occur, e.g. depots, sports halls.	Production room (high humidity and air pollution), e.g. food ind., laundries, dairies.	Chemical plants, swimming pools costal ship- and boatyards.	Building/area with permanent condensation and high pollution.
Surface treatments	Chemical treatments	Amorphous Phosphating or Amorphous Phosphating with Passivation or Cristalline Zn-Ni Phosphating with Passivation	Amorphous Phosphating or Amorphous Phosphating with Passivation or Cristalline Zn-Ni Phosphating with Passivation	Amorphous Phosphating with Passivation or Cristalline Zn-Ni Phosphating with Passivation	Cristalline Zn-Ni Phosphating with Passivation	Specific study, consult us
		Or	Or			
	Note 1	Mechanical treatments	Grit blasting Ra 4 - 8 μ SA $\geq$ 2,5	Grit blasting Ra 4 - 8 μ SA $\geq$ 2,5	Grit blasting Ra 6 - 10 μ SA $\geq$ 2,5	
Coatings	On chemical treatments	Interpon 700 or Interpon 310 or Interpon 610 or Interpon D1036 or Interpon D1094 (mini 60 μ)	Interpon 700 or Interpon 310 or Interpon 610 or Interpon D1036 or Interpon D1094 (mini 60 μ) Note 2	2 layer system : Interpon APP120 or Interpon BPP330 (mini 60 μ) + Interpon 700 or Interpon 610, TC or Interpon D1036 or D1094 (mini 60 μ) Note 2	3 layer system : Interpon PZ 770 (mini 60 μ) + Interpon BPP330 (mini 60 μ) + Interpon 700 or Interpon 610, TC or Interpon D1036 or D1094 (mini 60 μ) Note 2	Specific study, consult us
		On mechanical treatments	Interpon 700 or Interpon 310 or Interpon 610 or Interpon D1036 or Interpon D1094 (mini 80 μ)	Interpon 700 or Interpon 310 or Interpon 610 or Interpon D1036 or Interpon D1094 (mini 80 μ) Note 2	2 layer system : Interpon PZ 660 or 770 (mini 60 μ) + Interpon 700 or Interpon 610, TC or Interpon D1036 or D1094 (mini 60 μ) Note 2	

Note 1 : for cast iron, in some cases, a degassing operation and a surfacer primer application could be recommended
Note 2 : some Interpon 310 or Interpon 700 finishes containing metal pigments could not be used in humid environments
Note 3 : high durability powder coatings are also available, Interpon 810 for industrial uses and Interpon D2525 for architectural use