

## APPLICATION

Agitators that operate in aggressive environments require special protective coatings both on the moving mixing parts and on the gear motor.

Standard stainless steel agitators may not be rugged enough for applications in highly aggressive environments. Highly advanced coatings are required, and must be compatible with the product being processed. We offer a full range of tailored coating solutions.

The choice of material used for the parts that come into contact with the product is crucial. We supply shafts, impellers and mounting plates made from the following materials:

- 316L Stainless steel - shafts/impellers
- UB6 - shafts/impellers
- Polyester - mounting plates

In highly aggressive chemical applications, only the following coatings are effective:

- Halar
- PVC
- Ebonite
- Polypropylene



Solution	Steels		
	Steel	S/STEEL 316L 1.4404	Uranus B6 1.4539
Hydrochloric acid => muriatic acid	I	I	D
Sulphuric acid	D	D	A
Iron (III) chloride	D	I	I
Potassium cyanide	A	E	E
Aluminium fluoride	D	D	0
Iodine	I	I	A
Ammonium nitrate	I	A	E
Aluminium sulphate	I	D	0
Urea	E	A	0
Emulsion polymersion	D	E	E

E	: Excellent
A	: Acceptable
D	: Not recommended
I	: Incompatible : do not use
0	: No available data