



# Test of SPARTA 100

IL SHIM FIME CHEMICALS  
TEL:031-987-8386/7, FAX:031-987-8388  
[www.il-shim.co.kr](http://www.il-shim.co.kr), e-mail: il2025@unitel.co.kr

# Test1. Anti-Sparta Test

## 1. Sample

- 1) Non treatment
- 2) N. Company SP-400
- 3) SPARTA 100(IL SHIM FINE CHEMICALS)

## 2. Test Method

- 1) Steel plate
  - \*Steel plate thick : 6T
  - \*Dimensions : Width=30cm, Length=20cm-3EA, Width=20cm, Length =9.5cm-3EA
- 2) 준비된 강판에 ① Non treatment, ② N, Company SP-400(Spray type)  
③ SPATAR 100(Use normal spray gun)
- 3) Welding is carried out after the drug treatment.
  - \* Welding method : Arc Welding
  - \* arc welding electrode : KSE 7016

\*\*\* Non treatment : When welding smoke, there is a small, low odor.

\*\*\* SP-400 : When welding, is caused by a large amount of smoke and odor.

\*\*\* SPARTA 100 : When welding smoke, there is a small, low odor.

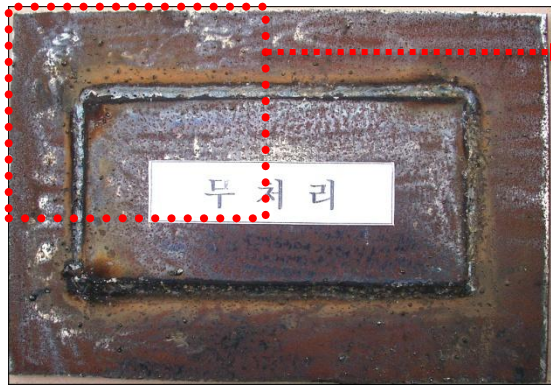
### 3. Test Results(non treatment)



Weld Spatter around quite a lot has occurred.

Plenty of rust.

### 3. Test Results(non treatment)

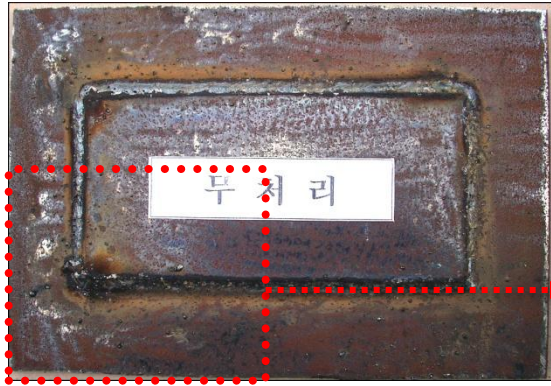


Weld Spatter around quite a lot has occurred.

Plenty of rust.



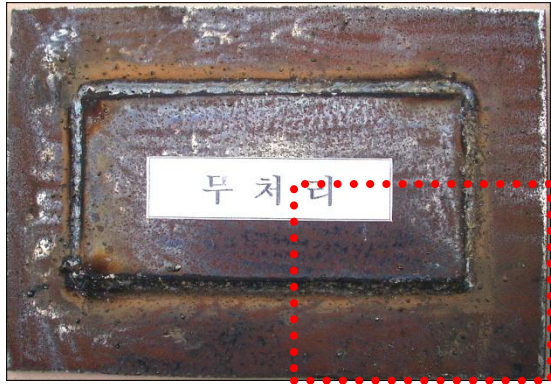
### 3. Test Results(non treatment)



Weld Spatter around quite a lot has occurred.

Plenty of rust.

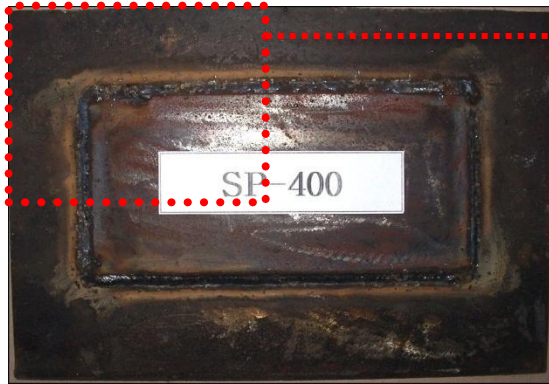
### 3. Test Results(non treatment)



Weld Spatter around quite a lot has occurred.

Plenty of rust.

### 3. Test Results (SP-400)



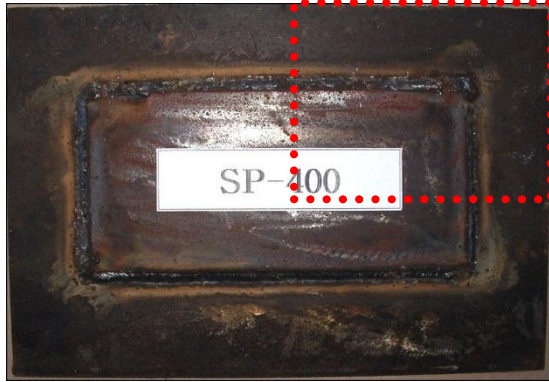
Expanding upper part.

-Some of the small Spatter occurs.

- Causes rust.

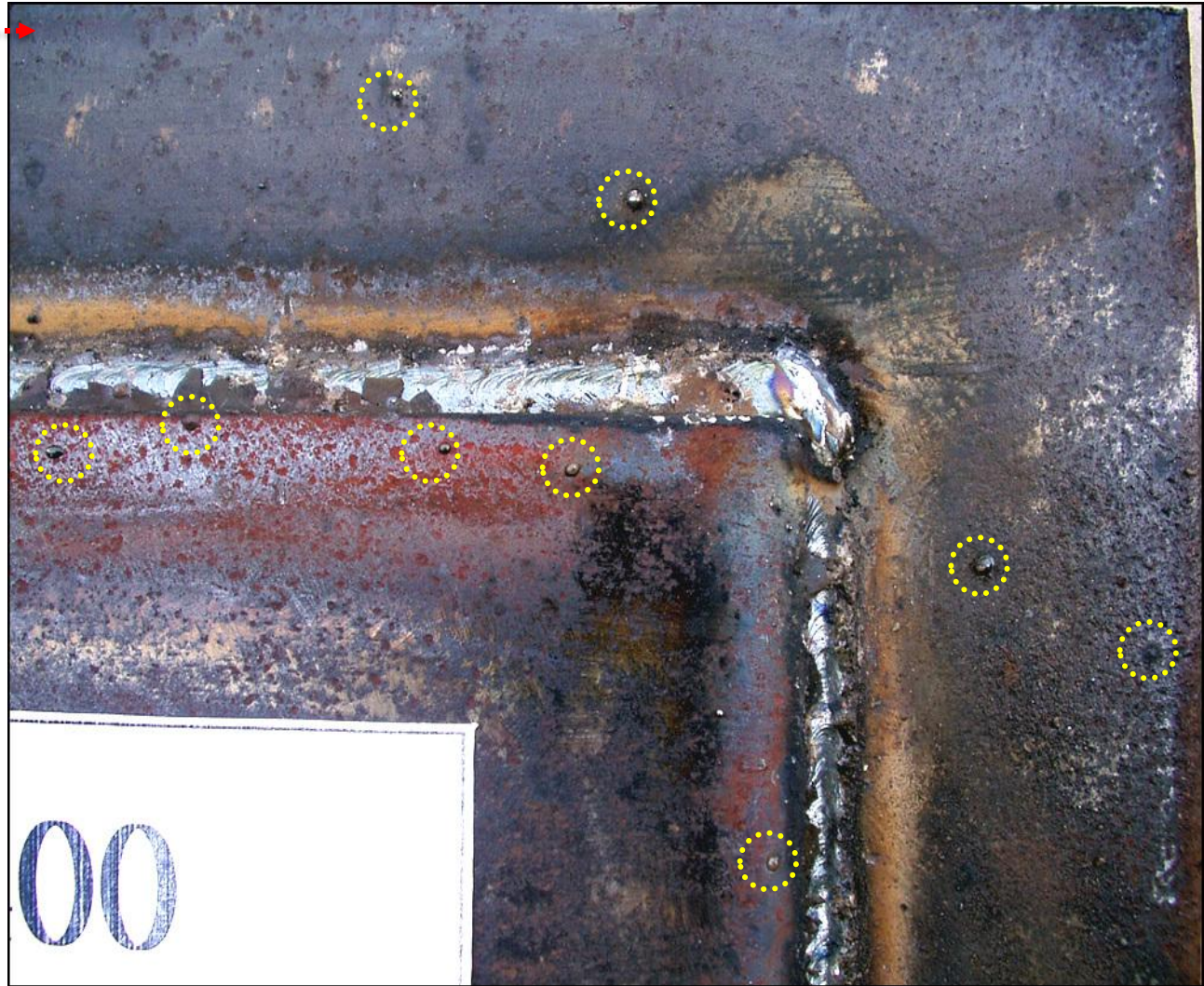


### 3. Test Results (SP-400)



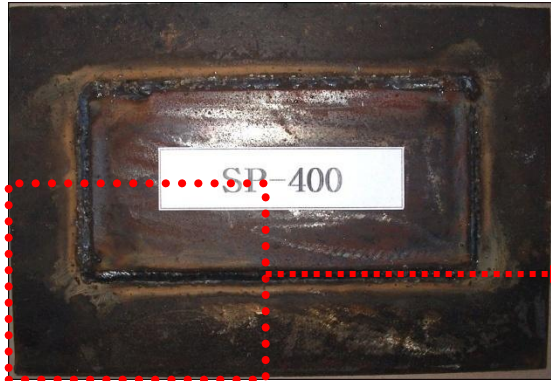
Expanding upper part.

- Some of the small Spatter occurs.
- Causes rust.





### 3. Test Results (SP-400)

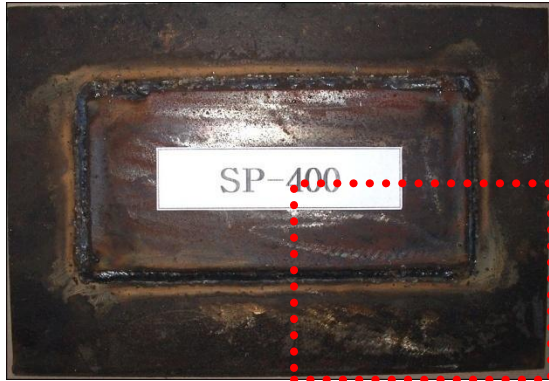


Close-up picture of Lower part.

- Some of the small Spatter occurs.
- Causes rust.



### 3. Test Results (SP-400)



Close-up picture of Lower part.

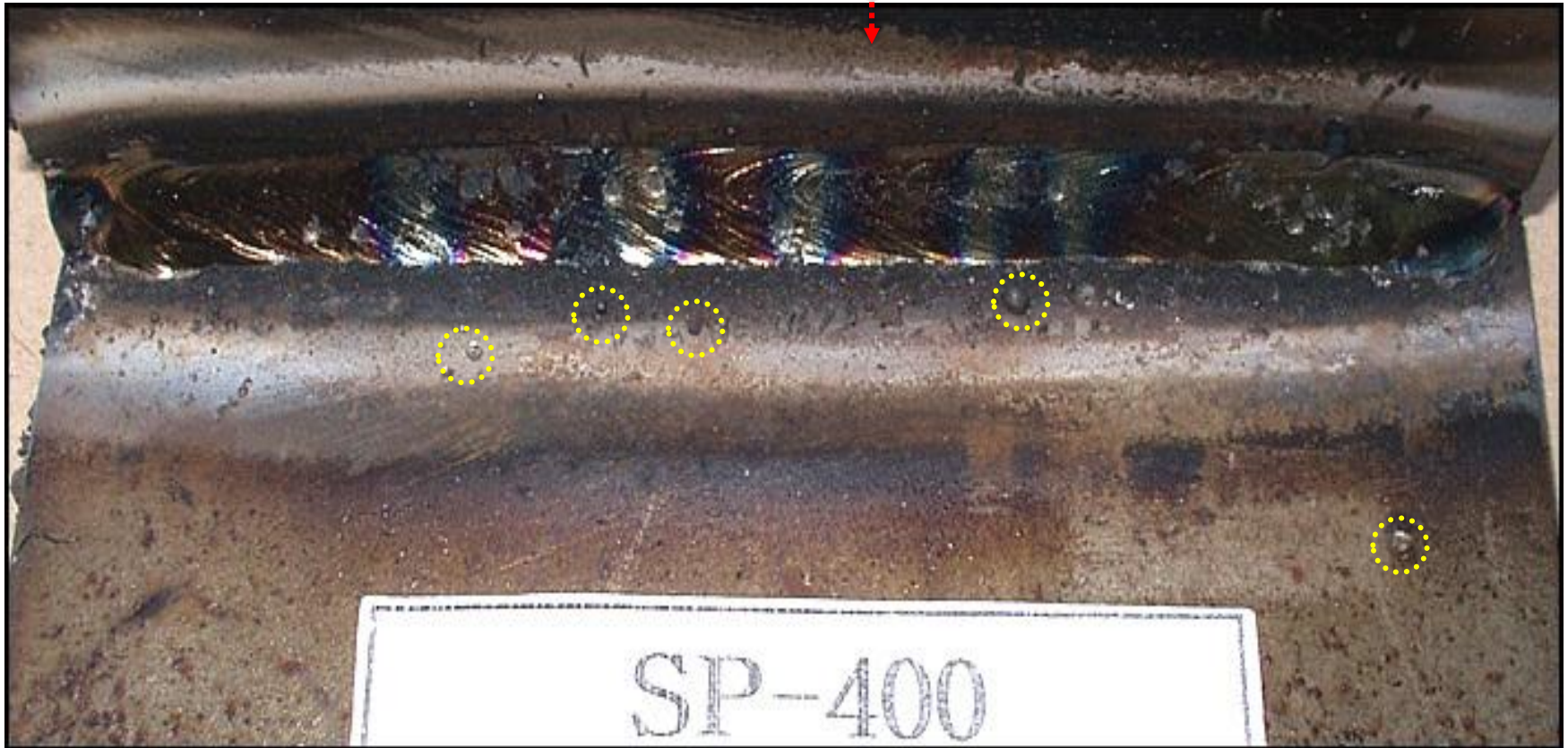
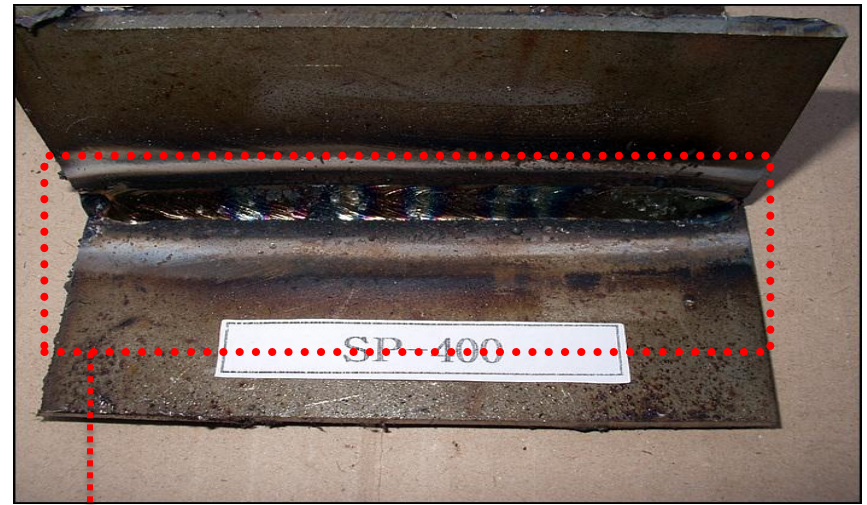
- Some of the small Spatter occurs.
- Causes rust.



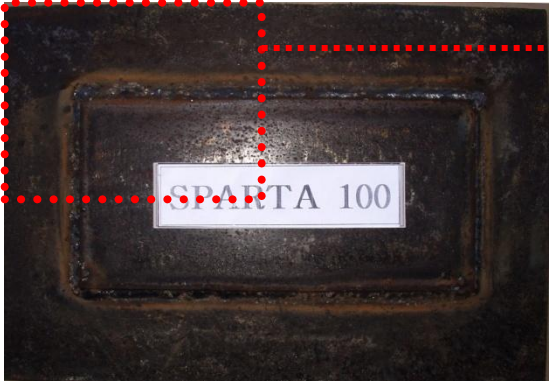
### 3. Test Results (SP-400)

Stainless steel welded at a right angle.

- Spatter occurs.
- Caused many smoke and smell many when welding.

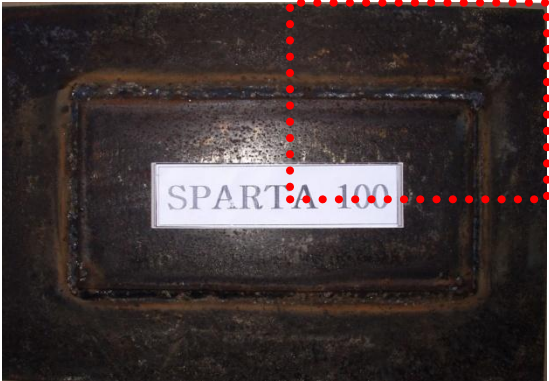


### 3. Test Results (SPARTA 100)



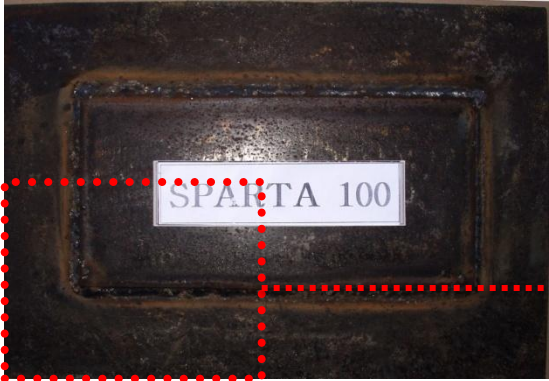
- Close-up picture of the top
- There is almost no-Spatter.
- Almost no rust

### 3. Test Results (SPARTA 100)



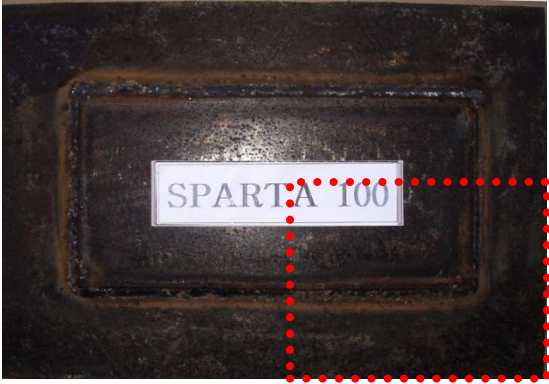
- Close-up picture of the top
- There is almost no-Spatter.
- Almost no rust

### 3. Test Results (SPARTA 100)



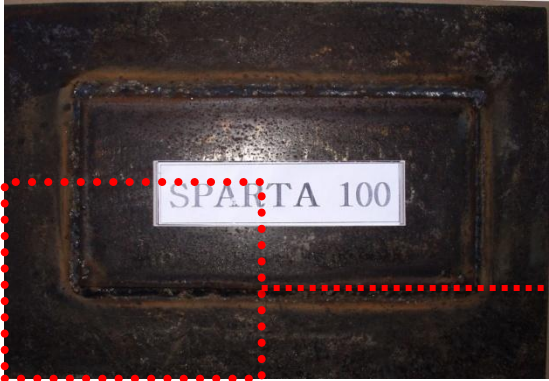
- Close-up picture of the top
- There is almost no-Spatter.
- Almost no rust

### 3. Test Results (SPARTA 100)



- Close-up picture of the top
- There is almost no-Spatter.
- Almost no rust

### 3. Test Results (SPARTA 100)



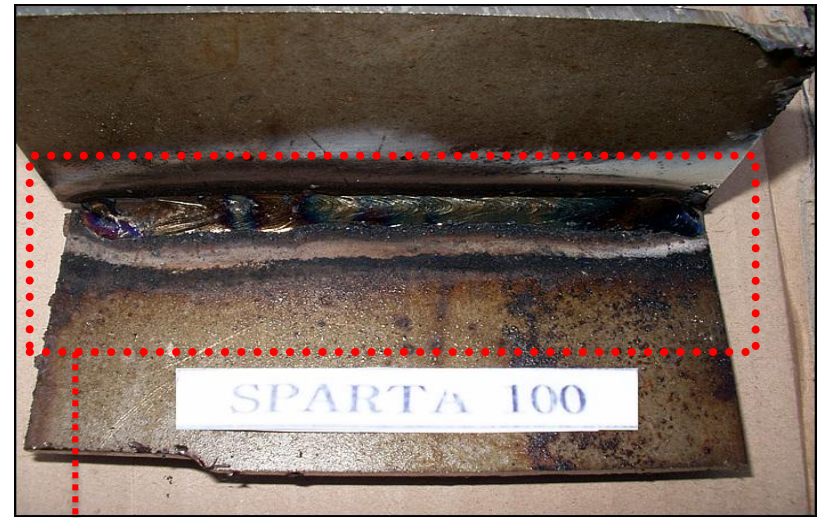
- Close-up picture of the top
- There is almost no-Spatter.
- Almost no rust



### 3. 실험결과 (SPARTA 100)

Stainless steel welded at right angles.

- Spatter is not likely to occur.
- Smoke is small, there is no smell.



## Test 2. Paint Test

### 1. Sample

- 1) N, Company SP-400
- 2) SPARTA 100 (il shim fine chemicals)

### 2. Test Method

- 1) Were painted without cleaning.



### 실험3. 세정성 Test

#### 1. 실험방법

- 1) 물만 사용하여 붓으로 약품이 도포된 부분을 세정한다.



## 2. Test Results(SP-400)



- SP-400 cases,
- the removal of water, but oil remained.
- The need for additional degreasing process.



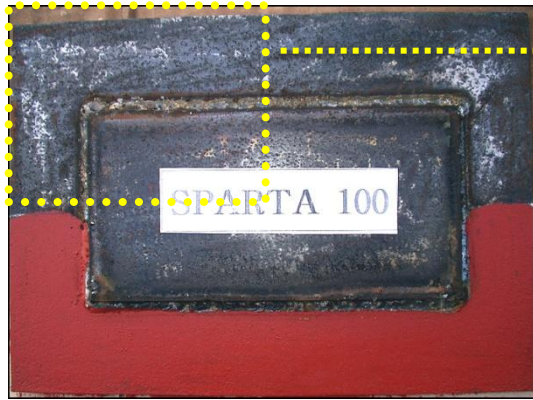
## 2. Test Results(SP-400)



- SP-400 cases,
- the removal of water, but oil remained.
- The need for additional degreasing process.



## 2. Test Results (SPARTA 100)

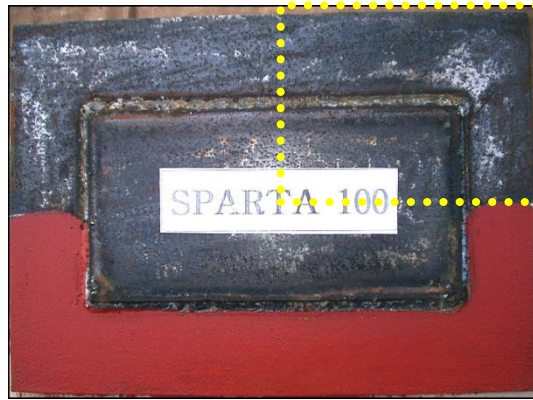


-SPARTA 100 cases, a simple cleaning chemicals as well have been removed.

- After rinsing with water does not require additional process.



## 2. Test Results (SPARTA 100)



– SPARTA 100 cases, a simple cleaning chemicals as well have been removed.

– After rinsing with water does not require additional process.



### 3. Test Results(SP-400 vs SPARTA 100)



- SPARTA 100 cases, a simple cleaning chemicals as well have been removed.
- SP-400 cases, the need for additional degreasing process.



## #.Test Results

	Non treatment	SP-400	SPARTA 100
Methods	X	Can spray	Spray Gun
Spatter	many attached.	Attach small.	Almost no attachment.
smoke	Small	Many	Small
Smell	Small	Are many	Small
Rust	Are Many	Are many	not to exist

	SP-400	SPARTA 100
Painting	There is no problem.	
Cleaning chemicals	Water is not removed	Remove the water
Degreasing process	Is required	Is not required