

# CELEROL®

## Wash-Primer 913-21

Data sheet: **913-21**  
 Technical info:  
 Gen. techn. info:

**1. Introduction/Characteristics** CELEROL-Wash-Primer 913-21 is a polyvinyl butyral-based material with passivating, adhesion-promoting and corrosion-protective properties on metals and alloys.

**2. Range of application** AMS 3095, LHT PMT M-5.20, MIL-C-8514, MIL-P-15328  
 WL 5.7002/03/09

**3. Technical Data of Ready-to-Use-Mixture** The below values refer to the ready to use mixture at 23 °C (73° F) and 50 % relative humidity.

- |                            |                          |   |
|----------------------------|--------------------------|---|
| a) Theoretical coverage    |                          | approx. 15 m <sup>2</sup> /l at 8 µm<br>approx 120 m <sup>2</sup> /l at 1 µm<br>(approx. 190 ft <sup>2</sup> /gal at 1 mil) |
| b) Weight of solid content |                          | approx. 18.5 %  |
| c) Volume of solid content |                          | approx. 12 %  |
| d) Density                 |                          | approx 0.9 g/cm <sup>3</sup> (7.5 lb/gal)   |
| e) VOC value               |                          | ≤ 780 g/l (≤6.5 lb/gal)   |
| f) Flow time               | ISO / 4 mm<br>Zahn 2 SIG | 20 to 35 s<br>15 to 25 s  |
| g) Pot life                |                          | 12 h  |

**4. Technical Data of Cured Film**

a) Colour		yellow green
b) Dry film thickness		6 to 10 µm (0.2 to 0.4 mil)
c) Dry film weight		13 g/m <sup>2</sup> at 8 µm 1.6 g/m <sup>2</sup> at 1 µm (0.0083 lb/ft <sup>2</sup> at 1 mil)

**5. Substrate Pre-treatment** Appropriate cleaning, sanding and/or deoxidising if necessary.

Compatible coatings: ALEXIT-Primer 492-11  
 CELEROL-Decklack 962-12

**6. Trade Names**

Base	CELEROL-Wash-Primer 913-21
Hardener	CELEROL-Hardener 909-78
Thinner	CELEROL-Thinner 901-97

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### 7. Mixing

Stir the base material until the mixture is homogeneous without any solid particles on the bottom of the tin.

4 parts by volume	CELEROL-Wash-Primer
1 part by volume	CELEROL-Hardener
Pre-reaction time	approx. 15 min
50 %* (2.5 parts by volume)	CELEROL-Thinner

Mix the three above materials in the proper mixing ratio until the mixture is homogeneous. The required pre-reaction time after mixing of base and hardener needs to be observed.

### 8. Application

The equipment has to be thoroughly cleaned with an appropriate cleaner such as SEEVENAX-Verdünnern 75 (thinner) or methyl ethyl ketone (MEK) before and after use.

Compressed air spraying (cup gun)  
 Nozzle size 1.2 to 1.6 mm  
 Pressure 2 to 3 bar (30 to 45 psi)

Electrostatic application (e.g. Graco PRO XS 4 / XS 3)  
 Material flow 300 to 450 ml/min  
 (10 to 15 oz/min)  
 Nozzle size 1.2 or 1.5 mm  
 Air pressure 4 to 5 bar (60 to 75 psi)  
 Air cap 197 480

Air assisted airless application (e.g. Graco PRO XS 4 AA)  
 Material pressure 60 to 100 bar  
 (900 to 1,450 psi)  
 Nozzle size 509 / 511 / 609 / 611  
 Atomising pressure 3 to 4 bar (40 to 60 psi)

Climatic conditions  
 Temperature of the object 15 to 35 °C (60 to 95 °F)  
 Relative humidity 30 to 75 %

\* referring to the base / hardener mixture

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### 9. Drying

Dust free	15 min
Re-coatable	1-comp. coatings: 0.5 h
	2-comp. PUR coatings: 1 h
	2-comp. EP coatings: 4 h
Fully cured	7 days
Accelerated drying	5 min flash-off, 30 min. at 60 °C (140 ° F)

These values refer to normal climatic conditions  
(23°C [73°F] / 50 % relative humidity).

### 10. Packaging

CELEROL-Wash-Primer 913-21	4 and 10 litres net
CELEROL-Hardener 909-78	1 and 2.5 litres net
CELEROL-Thinner 901-97	5 and 25 litres net

### 11. Storage Life

at 5 to 35° C (40 to 95 °F)	
CELEROL-Wash-Primer 913-21	18 months
CELEROL-Hardener 909-78	18 months
CELEROL-Thinner 901-97	18 months

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For further details on application parameters please contact your nearest Mankiewicz branch.