

# Arega<sup>®</sup> protect 300

## Invisible deposits of high effectiveness

Arega<sup>®</sup> protect 300 is an aqueous passivation bath, free of metals which deposits transparent, colourless protective coatings on silver and gold-copper-alloy surfaces.

The protective system is based on a molecular nanobiotechnology. The molecules adsorb on the surface and cross link by forming a few nanometers thick protective layer.

The produced layer protects the surfaces from tarnishing, so discolouration can be prevented for longer period of time. Through passivation conductivity and soldering are only insignificant reduced.



### Properties and Benefits

- Free of heavy metals and therefore RoHS-compliant
- REACH-compliant
- Free of nonylphenol und nonylphenol ethoxylates
- Excellent test results in K<sub>2</sub>S- and H<sub>2</sub>S-test
- For rack and barrel operation
- Application as electrolytic or dipping process

### Application area

- Decorative
- Technical



Technical Data

| Working conditions |                              |                 |
|--------------------|------------------------------|-----------------|
|                    | Electrolytic Process         | Dipping Process |
| Temperature        |                              |                 |
| For Silver         |                              | 55 °C           |
| For Gold-Copper    |                              | 45 °C           |
| pH-Value           |                              | 3,7 – 3,9       |
| Application time   |                              | 5 – 10 min      |
| Volt               | Rack: 2,5 V<br>Barrel: 2,5 V | -               |

| Deposit characteristics |             |
|-------------------------|-------------|
| Appearance .....        | transparent |

Products available

|               |                         |
|---------------|-------------------------|
| 4012300 ..... | Arega® protect 300      |
| 4012350 ..... | Arega® protect 300 Salt |

FOR ANY FURTHER INFORMATION WE WILL BE PLEASED TO BE AT YOUR DISPOSAL PERSONALLY  
UNDER +43 (0)2287 71073 OR [OFFICE@IWGPLATING.COM](mailto:OFFICE@IWGPLATING.COM)