アルミニウム陽極酸化皮膜用ニッケルフリー封孔プロセス

Nickel-free Sealing Process for Aluminum Anodizing Film

トップNFフィックスF-25 & トップNFシールS-205

TOP NF FIX F-25 / TOP NF SEAL S-205

処理工程 Process

陽極酸化 Anodizing

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染色 Dyeing

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染料定着 Dye fixing

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封孔 Sealing

染料定着処理剤:トップNFフィックスF-25

Processing agent to fix dyestuff : TOP NF FIX F-25

- TAC染料の陽極酸化皮膜への定着を促し、封孔処理での泣き出しを抑制する
- 封孔処理後の封孔度に影響しない

- Promotes TAC Dyestuffs to fix to anodizing film, and inhibits the dyestuffs to dissolve to a sealing bath during sealing
- No affecting sealing ability after sealing

封孔処理剤:トップNFシールS-205

Sealing agent : TOP NF SEAL S-205

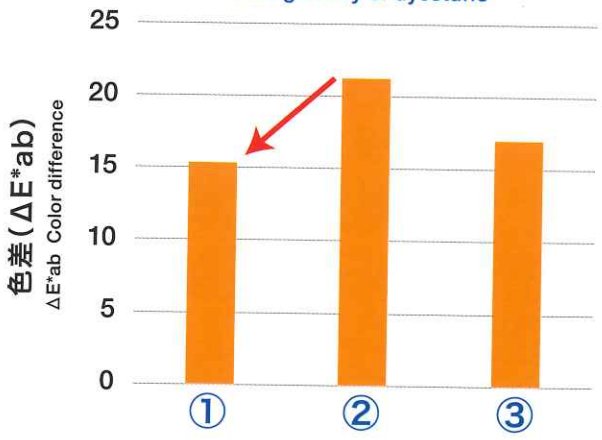
- 酢酸ニッケル封孔処理剤と同等の性能

- This sealing performance is the same as sealing one by nickel acetate

性 能 Performance

染料の定着性 *1

Fixing ability of dyestuffs *1



1 染色後と封孔後の色調(L、a*、b*)を測定し、色の変化量である色差(ΔE*ab)を算出。色差が小さいほど良好。

A color difference (ΔE*ab) which is an amount of change of color has been calculated by measuring color tones (L*,a*,b*) after dyeing and sealing, respectively. The smaller color difference, it is the better.

封孔度 *2

Sealing ability *2

*2 (JIS H 8683-2)リン酸-クロム酸水溶液に浸漬し溶解した皮膜の重量減少を測定した。単位面積当たりの重量減少が少ないほど良好。

Measured a weight loss amount of a film which is dissolved by dipping in phosphoric acid-chromic acid solution. The smaller a weight loss amount per unit area, it is the better.

①トップNFフィックスF-25 →トップNFシールS-205

①TOP NF FIX F-25 → TOP NF SEAL S-205

②トップNFシールS-205のみ (染料定着処理なし)

②TOP NF SEAL S-205 only (No fixing treatment of dyestuffs)

③酢酸ニッケル封孔

③Sealing with nickel acetate

※ TAC YELLOW-SLH(4G)で染色

*Dyed with TAC YELLOW—SLH (4G)