

## tds\_header\_technicalDataSheet

### TERRAWET® Gloss Coating G 9/640 HK FoodSafe-060

for the direct contact with dry/fat-including food, Material Health Certificate (Gold)

#### ACTEGA Terra GmbH

Industriestraße 12, 31275 Lehrte DE

+49 5132 5009-0

DownloadTDS.ACTEGA.Terra@altana.com

www.actega.com

## tds\_header\_productDescription

Water-based gloss coating with excellent drying and a very high wet block resistance.

The coating belongs to our FoodSafe series. FoodSafe is our portfolio of water-based coatings for the direct food contact, as a minimum to dry and fat-including foodstuffs. These coatings have a low potential for migration and they do not contain undesirable constitutional components such as mineral oils (MOSH, MOAH), heavy metals or phthalates. They are compliant with the Framework Regulation EU No. 1935/2004 and the Plastics Directive EU No. 10/2011 (PIM). They also correspond to the Swiss Ordinance (SR 817.023.21) as well as to the Good Manufacturing Practice Regulation (EC) No. 2023/2006.

This product has been assessed against the criteria of the Material Health category in the Cradle to Cradle Certified™ Product Standard and was awarded a Gold level Material Health Certificate by the Cradle to Cradle Products Innovation Institute.

tds_header_generalInformation	
tds_label_productType	prd_type_coatings
tds_label_productTechnology	prd_technology_coaWaterBased
tds_label_fieldOfApplication	prd_markets_pbp, prd_markets_labels, prd_markets_pc, prd_endUse_tobacco, prd_endUse_foodDirect, prd_endUse_otherNonFood, prd_endUse_foodIndirect, prd_endUse_personalCare, prd_endUse_pharma, prd_endUse_frozenFoodPackaging, prd_endUse_dryFoodstuffPackagings, prd_endUse_detergentPackaging, prd_endUse_cSD, prd_endUse_brochures
tds_label_properties	prd_prop_temporaryBarrierAgainstFatAndWater

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### tds\_header\_applicationMethod

- Recommended pile temperature: not > 35°C.
- Stir well before use! Mechanical stirring is recommended.
- For the further processing of the sheets under mechanical load and/or the influence of humidity, a sufficient high basic consistency of the substrate is required.
- There must be a suitability for water-based coating if anti-set-off powder is used (do not use mineral powder).
- We recommend to omit adhesive straps.
- Viscosity for processing in gravure printing: 15-20 sec. (dilution with water:ethanol 3:1).
- In order to guarantee a fast and complete drying, we recommend a sufficient airing of the sheets.
- Using non-absorbent substrates and / or slowly absorbent printing inks, we recommend to plan for the corresponding drying times.
- The full profile of characteristics of the coating film is available after complete drying.
- Resistance against alkali, alcohol and solvents should be given according to DIN ISO 2836, formerly DIN 16524, in order to exclude a change of colour.
- There must be a sufficient hardening of the overall system substrate-printing ink-coating before further processing which should be checked in the process.
- Recommended coating application: 3,5 - 5 g/m<sup>2</sup>; wet
- Please use printing inks/foil inks suitable for coating.
- The coating is suitable for wrapping in foils XS and MS (no acrylic coated foil).
- Gravure Printing
- Sheet-fed offset, coating unit (chambered doctor blade or roller system)
- Wet-in-wet

### tds\_header\_substrateRecom

- prd\_subRec\_rearsidePECoatedBoard
- prd\_subRec\_coatedPaper
- prd\_subRec\_metallizedSubstrates
- prd\_subRec\_aluminumFoilLaminatedSubstrates
- prd\_subRec\_coatedBoard

### tds\_header\_properties

tds_label_gloss	●●●●●●●●○○
tds_label_scuffResistance	●●●●●●●●○○
tds_label_hotFoilStamping	●●●●●●●●○○
tds_label_cracklingTolerance	●●●●●●●●○○
tds_label_foamingTolerance	●●●●●●●●○○
tds_label_dryingScale	●●●●●●●●○○
tds_label_twoSidedCoating	●●●●●●●●○○
tds_label_wetBlockResistance	●●●●●●●●○○
tds_label_uvVarnishing	●●●●○○○○○○
tds_label_counterGlueing	●●●●●●●●●●
tds_label_foilLaminator	●●●○○○○○○○

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tds_header_productCharacteristics			
tds_label_viscosity	<ul style="list-style-type: none"> <li>• ~40 s (prd_visc_DIN4_20C)</li> <li>• ~60 s (prd_visc_DIN4_20C)</li> </ul>		
tds_label_hotFoilStamping	<input checked="" type="checkbox"/>	tds_label_glueAbilityUV	<input type="checkbox"/>
tds_label_slipAngle	16° - 22°	tds_label_heatResistance	up to 150°C
tds_label_antiPenetration	<input type="checkbox"/>		

**tds\_header\_storageInstructions**

- prd\_storageInformation\_avoidMixingWithOtherCoatingsOrWashingWater
- prd\_storageInformation\_storageMayCauseAChangeInViscosityWeRecommendToCheckTheViscosityAndAdjustIfNecessaryWithWater
- prd\_storageInformation\_shelfLife12Months
- prd\_storageInformation\_protectFromFrostHeatAndSunExposure
- prd\_storageInformation\_appliesToClosedOriginalContainersAt5CUpTo30C

**tds\_header\_cleaningInstructions**

- prd\_clean\_pleaseCleanWaterCleaningAgent

**tds\_header\_disclaimer**

The characteristics contained herein constitute binding product specifications which we warrant provided the conditions and testing methods mentioned therein are used. Any other subjective or objective requirements concerning the products are excluded. Any information herein about suitability, use or application of the products is non-binding and does not constitute a commitment regarding the products' properties, use or application. We recommend that you test our products in preliminary trials to determine their suitability for your intended purpose prior to use. No warranties of merchantability or fitness for a particular purpose are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties.