



EC number 32099000

TWEHA SyntheticPrimer is an all-purpose primer for prime and intermediate paint coats on many substrates in both interiors and exteriors. As an adhesion promoter, TWEHA SyntheticPrimer is quickly and universally

PROPERTIES

- Very quick drying
- Active protection against corrosion
- High adhesion strength
- Very easy to apply
- Quickly and universally overcoatable
- Flat modifying function
- Heat-resistant up to 100°C (dry heat)
- Good edge coverage
- Isolates wood constituents

COLOUR SHADE: 9105 black

CONTAINER: 1 l, 2.5 l.

COVERAGE: approx. 80–100 ml/m² per coating

GLOSS LEVEL: matt

GENERAL RULES

The substrate must be prepared and the coating work performed in accordance with the state of the art. All coatings and preliminary work should always be geared towards the project and the requirements it is exposed to.

Treating/removing layers of paint by sanding, welding, burning off, etc. can cause harmful dust and/or vapors. Only carry out work in well-ventilated areas. Use appropriate breathing apparatus/protective equipment, if necessary.

All substrates must be clean, dry, load-bearing, and free from release agents. Substrates must be checked in terms of their load-bearing capacity and suitability for subsequent coatings. If necessary, create a test surface and test the adhesion by means of a crosscut and/or mesh tape tear-off. For coating build-ups, carry out intermediate sanding in between the individual coatings.

Sand grey and weathered wooden areas down to the load-bearing substrate. Clean and sand existing load-bearing paint coats. Round off sharp wooden edges. Ensure adequate drainage inclinations on horizontal surfaces. The moisture content for hardwood should be max. 12 % and for softwood max. 15 %. The drier the substrate, the greater the depth of



All specifications, recommendations and technical data are based on laboratory tests under optimum conditions resp. on practical experience. They have been compiled most carefully. Nevertheless, a claim cannot be derived from them. In view of the wide range and variability of substrates, we would advise that our product should be tested by the user to establish suitability for its intended application. The user bears the only responsibility for non-appropriate or other than specified applications.

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penetration, improving the protective function and working life of sub-sequent lacquers. Wash tropical woods with constituents that delay the drying time with a cellulose thinner and apply a test coat.

SUBSTRATE

The substrate must be firm, dry, clean, load-bearing, and free from release agents.

SUITABLE SUBSTRATES:

Load-bearing existing coatings, iron, steel, zinc, galvanized substrates, aluminum, hard plastics (rigid PVC, polyurethane, acrylic glass, melamine resin, Resopal laminate), timber, engineered wood.

Warning: Do not apply on thermoplastic substrates. Existing thermoplastic paint coats can be identified reliably by means of a solvent test with a cellulose thinner. Significant dissolving = existing thermo-plastic paint coat.

SUBSTRATE PREPARATION:

- **EXISTING COATINGS:** Check existing coatings for a firm hold. Completely remove existing non-load bearing coatings. Thoroughly clean and sand existing load-bearing coatings.
- **IRON AND STEEL:** Derust iron and steel thoroughly. Remove any mill scale. Blast highly contaminated steel surfaces to standard preparation grade SA 2 1/2 in accordance with EN ISO 12944-4.
- **ZINC AND GALVANISED SUBSTRATES:** Clean with TWEHA Cleaner+.
- **ALUMINIUM (NON-ANODISED):** Clean with TWEHA Cleaner+.

- **HARD PLASTICS, E.G. RIGID PVC:**
Clean with TWEHA Cleaner+.
- **TIMBER AND ENGINEERED WOOD:**
Sand and clean timber surfaces in grain direction.

APPLICATION

Stir well and apply generously and undiluted with a brush or roller. As rust protection on iron and as an adhesion promoter on zinc, apply 2x generous coats. As an adhesion promoter on plastics and existing paint coats, apply 1x undiluted coat. As a primer for engineered wood, apply 1x coat. As an intermediate paint coat, apply 1x undiluted coat.

APPLICATION CONDITIONS:

Do not apply or leave it to dry in an air and object temperature of less than +5 °C. Do not apply in direct sunlight.

DILUTION:

If necessary, dilute with Universal Thinner.

Note: Synthetic resin thinning agents such as white spirit or turpentine are difficult to stir in and can lead to incompatibility.

TOOL CLEANING: Clean with TWEHA Cleaner+ universal nitro thinner after use. Dispose of cleaning agent properly.

DRYING:

(+20°C/60 % rel. humidity, 100 µm wet-layer thickness)

Dust-dry: approx. 30 min

Tack-free: approx. 2 h

Overcoatable: approx. 3 h (alkyd resin lacquers), approx. 36 h (two-component lacquers)

Higher layer thicknesses and/or lower temperatures delay the drying times.



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SPECIAL INFORMATION

Solvent-based alkyd resin lacquers have a characteristic odor which may still be perceptible after drying. Drying delays are possible in the case of horizontal painted surfaces, thick layers, and/or poorly ventilated drying rooms. Ensure adequate warmth and ventilation.

Do not leave TWEHA SyntheticPrimer exposed to weathering for more than 1 week without finishing lacquer. Intermediate sanding is recommended if drying takes more than 3 days. s intermediate coat.

GENERAL SAFETY ADVICE

The TWEHA SyntheticPrimer product falls below the maximum VOC value of product category i (500 g/l) and is therefore VOC-compliant.

Good ventilation must be ensured while paints and varnishes are being applied and are drying. Keep away from food, drink, and animal feed. Avoid contact with skin and eyes. Do not breathe in dust during sanding work. Only use in well-ventilated areas. Do not eat, drink, smoke, or inhale snuff tobacco during

work. Keep out of reach of children. Do not allow the sewer system or bodies of water to enter. If rivers, lakes, or drains become contaminated, inform the relevant authorities in accordance with the local laws.

Further information and the current SDS available at www.tweha.com

STORAGE

Close opened containers so that they are airtight after use. Store in cool but frost-free conditions.

DISPOSAL

Only return empty containers for recycling. Dispose of containers with residues at the responsible hazardous waste center. Dispose of dried paint brushes and rollers with residual waste. Do not dispose of paint or rinse painting tools in sinks or drains.

TECHNICAL CONSULTATION

Our sales force will be happy to answer any questions which have not been covered by this Technical Data Sheet. Our technical customer service team at the factory is also available to answer any detailed queries you may have.

Parameter	Unit	Min. Value	Max. Value
Colour	Black		
Consistency		Thin liquid	
Odour	Characteristic		
Drying time (20 °C)	min	30	
Density	gr/cm ³		
In service temperature range	°C	10 to 90	



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