

# TECHNICAL DATA SHEET

supersedes previous issue dated 02/05/05

**AF 53\*\***
**CLEAR WATERBORNE SELF-PRIMING TOPCOAT FOR PARQUET FLOORING**

Gloss:	20, 50, 80 gloss.
Area of use:	Specifically formulated for parquet floors.
Method of use:	Brush: ready to use. Roller: thin 10% with drinking water.

### Technical characteristics

Solids content (%):	38 ± 2
Specific gravity (kg/l):	1.030 ± 0.030
Viscosity (DIN 4 at 20°C):	20" ± 3"

### General characteristics

Drying time (80 g/m <sup>2</sup> at 20°C 65% humidity):	Dust free	15'-20'
	Touch dry	30'-40'
	Overcoatable:	1 hour
	Sandable:	4 hours
	Foot traffic:	24 hours
Recommended application weight (g/m <sup>2</sup> ):	Min. 50, Max. 80.	
Spreading rate (m <sup>2</sup> /kg):	12-14	
Number of coats:	Max. 3.	
Shelf-life (months):	15	

AF 53\*\* is a one-pack clear waterborne self-priming topcoat for use on parquet flooring, an application that requires special characteristics of elasticity, hardness, abrasion resistance, ease of application by roller and brush, and ease of touching-up and maintenance.

### Method of use

On untreated surfaces fill any cracks using binder XT 590 mixed with the sawdust obtained by wood floor smoothing. To this purpose, also AU 447 can be used.

When the filler has dried, sand the floor carefully using 80-120 grit sandpaper. Remove the sanding dust with a vacuum cleaner before applying the coating.

Apply the first coat of AF 53\*\* thinned 10% with drinking water using a roller or a brush. Make sure that the product is well spread and there are no areas of build-up.

After 3-4 hours, when drying is complete, the product is ready for sanding. It is preferable to sand manually using 150-180 grit paper or with mechanical systems using 220-240 grit paper. Then apply a second coat, followed by a third coat after 1-2 hours without sanding.

Some resinous timbers (such as iroko, merbau, etc.) contain coloured substances that tend to be dissolved by the product during application. To avoid this problem when coating these timbers, apply the waterborne basecoat AU 447 as an initial barrier coat or HU 3050.

To obtain higher chemical-physical resistance and greater hardness, we recommend adding 1% cross-linking additive XA 4080 to the last coat of AF 53\*\*.

Do not allow the product to build up in any areas and make sure that it is spread uniformly and with the recommended application weight of about 70-80 g/m<sup>2</sup> for each coat. This can easily be achieved using normal brush application. Higher application weights require much longer drying times.

For maintenance of parquet floors already coated with AF 53\*\* or other types of clear coating (including solvent-based coatings), sand well using 150 grit sandpaper, clean the substrate, then apply one or two coats of AF 53\*\* as described above. Make sure that the surfaces are free of grease and/or synthetic wax.

Spray application of AF 53\*\* is not recommended. Actually, with this application method it is easy to exceed in quantity with the consequent possibility of several inconveniences such as

N.B.: Data provided on this Technical Data Sheet correspond to our best knowledge and experience. We assure consistency on the chemical-physical characteristics of our products, within the tolerance limits specified on our Technical Data Sheets. Responsibility of final result of product application is fully up to the users, who shall make sure that the product corresponds to their own needs with regard to application system, to substrates used as well as to working conditions.

WARNING: Actual viscosity of some pigmented and/or thixotropic products may differ from the viscosity shown on the Technical Data Sheet. Differences are to be regarded as acceptable if within 30% maximum.

ARCH SAYERLACK COATINGS S.R.L. - Via del Fiffò, 12 - 40065 Pianoro (Bologna) - Italy - phone +39-051-770770 - fax +39-051-770521 - www.sayerlack.it

# TECHNICAL DATA SHEET

supersedes previous issue dated 02/05/05

**AF 53\*\*****CLEAR WATERBORNE SELF-PRIMING TOPCOAT FOR PARQUET FLOORING**

detachment of the coating film from the wood substrate. In case spray application is strictly required, we suggest to use AF 72\*\*.

### Special instructions

Accidental application of thick layers of product may cause spots and cissing and slow down drying to such an extent that the film lifts from the wood.

Keep from freezing: store in areas where temperatures do not fall below 5°C.

During application and drying, the ambient temperature and the temperature of the coating must be no lower than 10°C.

Use only drinking water for thinning.

Mix the product using a stick or a spatula. Avoid stirring too vigorously not to incorporate air in the product which may lead to the formation of bubbles during application.

Ventilate the room during and after application to improve drying.

The coated floor is ready for foot traffic the next day.

After application wait 48-72 hours before placing furniture or carpets on the floor.

For the first 2-3 weeks the coating is not perfectly dry and remains slightly sensitive to water. If the floor is washed and/or water deposits in some areas after treatment, this may give rise to reversible blooming on the film of coating.

Wash working tools immediately with water. Dried coating can be removed by washing with acetone.

Coating residues must be disposed of in accordance with current legislation. Do not pour residues down drains.

Due to the great number of exotic timbers available on the market, it is advisable to perform a preliminary test to verify that the product does not undergo cissing, blushing or lifting caused by substances contained in the wood.