



HOW TO CREATE ELAPSED DURATION ACTIVITIES IN ORACLE PRIMAVERA P6

1 Introduction

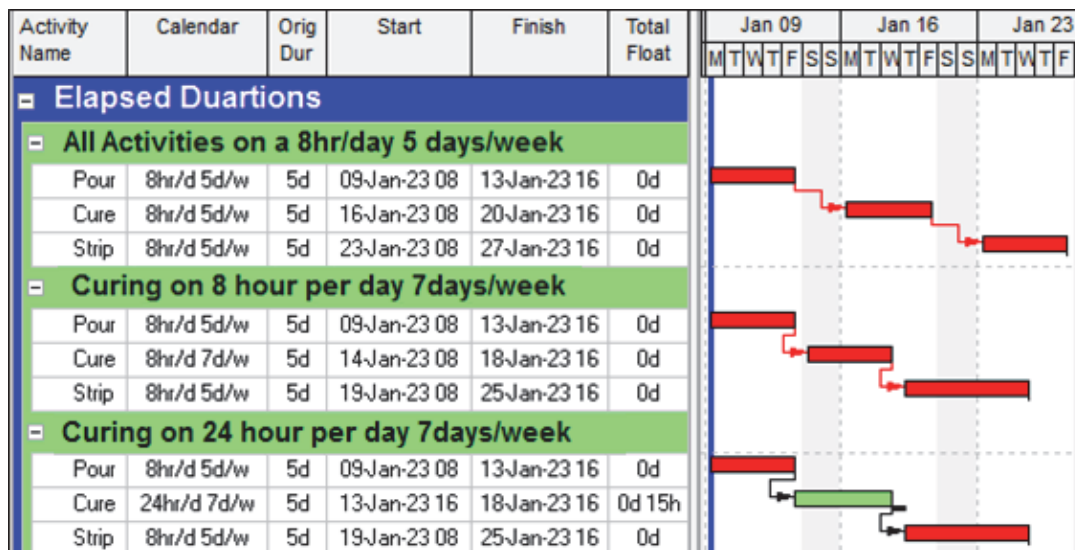
Activities like “concrete curing” and “process testing” that take place 24 hours per day may be modeled using a 24 hour per day calendar.

The disadvantage of this option is that if the predecessor ends at 17:00 then a 5-day curing activity will start and finish at 17:00 and will have float when the successor starts the following morning.

If these tasks are left on a 5 day per week then their elapsed duration will be longer than they should be because the concrete will not cure over the weekends.

2 Elapsed Duration Activities Recommendation

To prevent this float on activities that would otherwise be on the critical path, I recommend putting these types of activities on calendars with the same hours per day as the other work, but on a 7 day/week basis without weekends or non-workdays:



NOTE: If the curing activity ends on Saturday, then it will normally still have Total Float when the successor may not start till the following Monday.

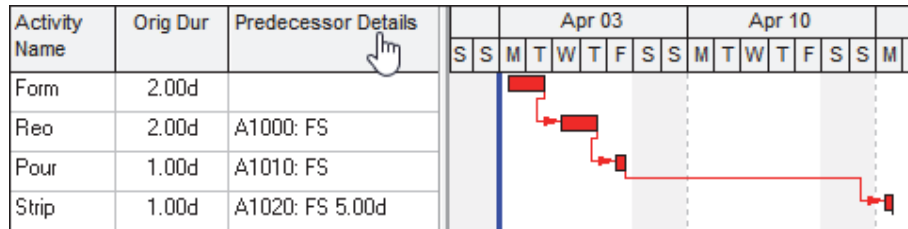
3 Elapsed Duration Activities Lag Option

Some people use lags for curing of concrete and finishes. The advantage is that there are less activities in the project.

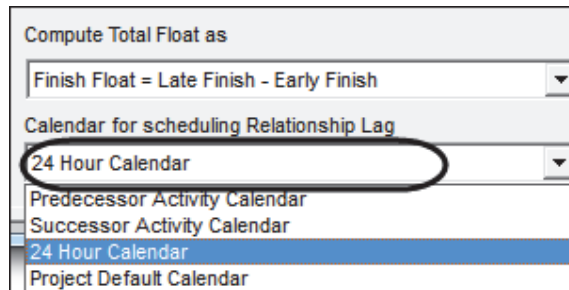
On the other hand, the lag adopts a calendar which is set in the Schedule Options form and there is a choice of four. The default is the Predecessor and if the predecessor is not assigned a 7day per week calendar then the calculated lag will be greater than the intended lag.



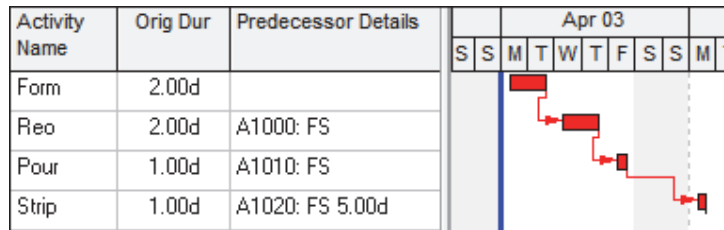
The picture below shows that there is a 5 day lag between the end of Pour to the start of Strip but the elapsed duration from the end of Pour to the start of Strip is 9 days:



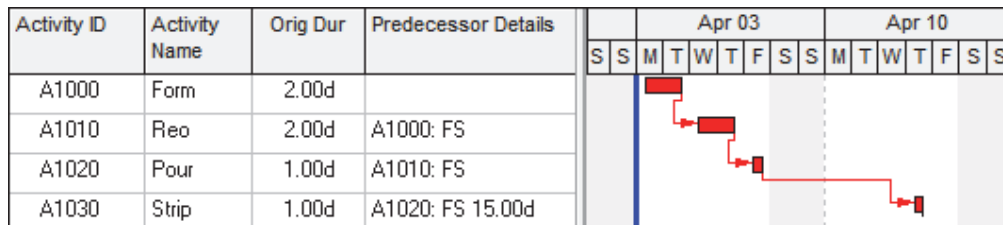
The **Tools, Schedule, Options, Calendar** for scheduling Relationship Lag may be reset to 24 Hour Calendar:



Then the result is as per below, which is also not a good solution:



Only when the Lag is changed to 15d, which is 120 hours on a 24 hour per day calendar does one get the correct answer:



Thus, it is my opinion that Lags for activities like concrete curing is not the best solution.

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